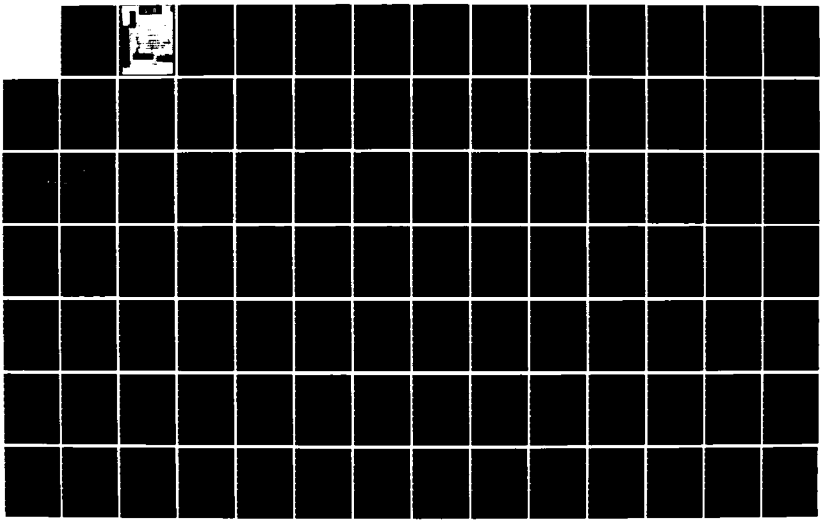
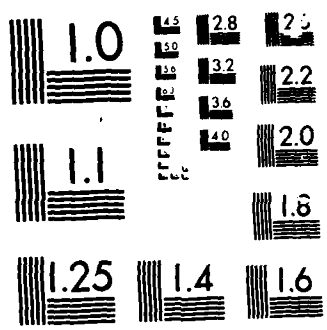
AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 1/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
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AD-A165 689

DESIGN CALCULATIONS

93' MLW STRUCTURE

EAST COAST AIR COMBAT MANEUVERING RANGE
OFFSHORE KITTY HAWK, NORTH CAROLINA
CONTRACT NO. N62477-76-C-0179
MODIFICATION NO. P0001

REPORT NO. 27-771-95

PREPARED FOR
NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

DTIC FILE COPY

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BY

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

Unclassified

SECURITY CLASSIFICATION OF THIS P.

AD-A165 689

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Unclassified

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2a. SECURITY CLASSIFICATION AUTHORITY

3. DISTRIBUTION AVAILABILITY OF REP.
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6c. ADDRESS (City, State, and Zip Code)
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19. ABSTRACT (Continue on reverse if necessary & identify by block number)
This purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U.S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 2 at Site 2, resting in (Con't)

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT
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DESIGN CALCULATIONS
93' MLW PLATFORM

EAST COAST AIR COMBAT MANEUVERING RANGE
OFFSHORE KITTY HAWK, NORTH CAROLINA
CONTRACT NO. N62477-76-C-0179
MODIFICATION NO. P0001

Report No. 27-771-95

Prepared for

NAVY FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

By

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

September 1976

TABLE OF CONTENTS

SECTION 1.0

INTRODUCTION

1.1 PURPOSE OF REPORT

The purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U.S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 2 at Site 2, resting in approximately 93 feet of water.

This report (No. 27-771-95) is part of the documentation required by U. S. Government Contract No. N62477-76-C-0179, Modification No. P0001, let by the Naval Facilities Engineering Command, Department of the Navy, Chesapeake Division with Crest Engineering, Inc., Tulsa, Oklahoma.

1.2 DESCRIPTION OF STRUCTURE

1.2.A Purpose of Structure

The structure, at Site 2 is part of a series of structures comprising the U.S. Navy East Coast Air Combat Maneuvering Range. Its purpose is to provide a platform to support electronic instrumentation necessary for the proper functioning of the East Coast Air Combat Maneuvering Range.

The equipment on the structure includes:

1. Navigation and aircraft warning lights attached to the top of each of the three columns.

2. A signal horn attached to the underside of the Equipment Deck extending toward the sea.

3. A receiver-transmitter assembly attached to the Equipment Deck in the vicinity of the southwest corner.

4. A solar panel assembly attached to the cantilevered deck on the south side of the Equipment Deck.

5. A battery assembly fastened just north of the solar panel assembly.

6. One air-to-ground antenna attached in the center of the Upper Deck.

7. One ground-to-ground antenna, eight feet in diameter, mounted on a vertical guide attached to the southwest column. This antenna is adjustable vertically from El. (+) 75.0' to El. (+) 25.0'.

8. A hand-operated, two-ton marine winch located on the Equipment Deck in the southeast corner.

1.2.B Location

The site for the East Coast Air Combat Maneuvering Range is approximately 26 miles offshore of Kitty Hawk, North Carolina.

Structure 2 will be erected within a half a mile of coordinates 13, 152, 623 North by 1, 566, 734 West (N36^{o} 13' 36", W 75^{o} 14' 59") in 93 feet of water.

The structure will be oriented so that the side of the platform with the cantilevered solar panel deck will face due South. This places the boat landing on the northeast side of the structure, and locates the column with the ground-to-ground antenna nearest the shore.

1.2.C Structural Description

The marine structure consists of a three-pile jacket (template) with equilaterally spaced legs through which steel piles are driven into the seabed. The jacket is then secured to the piling by welding shim plates in the annulus between the jacket leg and piling at the top of the jacket legs. A superstructure consisting of an equipment deck and an upper deck is then attached to the piling above the top of the jacket. This tripod structure has the following features:

1. Upper Deck elevation is at (+) 75.0 feet above Mean Low Water to provide an adequate envelope for the hoist on the Equipment Deck.

2. Equipment Deck elevation is at (+) 60.0 feet above MLW to provide an air gap of 8.0 feet between the deck and the maximum crest of the 50 year storm.

3. To avoid any shadowing of the cells, a cantilevered deck is provided on the south side of the Equipment Deck to support the Solar Panel Assembly.

4. The only diagonal bracing framing the superstructure is between El. (+) 60.0 feet and El. (+) 45.0 feet.

5. The equilateral pile spacing at the pile cut-off El. (+) 16.5 feet is 29.0 feet from centerline to centerline.

6. The true jacket batter is 6 to 1 for each of the three legs.

7. Horizontal bracings for the jacket are located at El. (+) 12.0, El. (-) 13.0, El. (-) 39.0, El. (-) 66.0 and El. (-) 93.0. In addition to the perimeter bracings, secondary horizontal bracings connecting the mid-points of the perimeter bracings are located at each of the above elevations. Diagonal bracing connect the levels.

8. A boat landing is provided on the northeast side of the structure from El. (+) 9.0 to El. (-) 3.0.

9. Boat fenders are attached to the two jacket legs on the boat landing side of the structure to protect the structure from sustaining damage from large impacts of approaching boats. The fenders consist of rubber tires installed around a vertical concrete filled pipe from El. (+) 12.0 to El. (-) 7.5.

1.3 DESIGN CRITERIA

1.3.A Purpose of Structure

1. Wave Data - 50 year storm

MLW Depth	93.0 ft.
Storm Wave Height	60.8 ft.
Storm Wave Period	13.6 sec.
Maximum Storm Tide	3.6 ft.
Maximum Astronomical Tide	4.5 ft.
Extreme Surface Current	4.5 ft./sec.
Mudline Current	0.8 ft./sec.

2. Wind Data

Maximum Gust	174.0 mph
1 Minute Wind	145.0 mph
1 Hour Wind	114.0 mph

The approach of the storm wind and wave can be from any direction.

1.3.B Foundation Criteria

1. The basis for the foundation design is a McClelland report to Cubic Corporation entitled "Foundation Investigation East Coast ACMR Ocean Structures, Volume I". The soil information to be used in this analysis is one boring at Site 2.

2. Due to the nature of the sea bottom and sea bottom currents, scouring of 5 feet below the mudline will be used in the piling design to develop the theorectical soil resistance to laterally applied loads.

1.3.C Live Loads

The design live loads will be:

Equipment Deck	150 psf
Top Deck	100 psf

The loads will be distributed uniformly over the entire deck areas.

1.3.D Material

All structural shapes or fabricated tubular goods are to be ASTM A-36 or equal except for the material used for the structure legs at the joint cans which is to be ASTM A-633, Grade A.

1.3.E Corrosion Protection

1. All portions of the platform above elevation (-) 4.0 feet will be painted.

2. All main structural members located within the splash zone will have an extra 1/2" of sacrificial steel added to their wall thickness. This can be in the form of extra wall thickness or a 1/2" steel plate wrap.

3. The portion of the platform below elevation (-) 4.0 feet will be protected by cathodic protection. This will be provided by sacrificial anodes having a theoretically expected life of twenty years.

1.3.F Pile-Jacket Connection

The platform is analyzed as if the annulus between the jacket and the piling is not grouted. Shim plates will be provided at each horizontal bracing level. Jacket to pile connection is made by welding at elevation (+) 16.5 feet.

1.3.G Design Standards

The criteria employed for determination of structural acceptability are specified by the following documents:

1. American Petroleum Institute (API):

RP 2A	Recommended Practice for Planning, Designing and Constructing Fixed Offshore Platforms; 7th Edition, January 1976.
Spec. 2H	Carbon Manganese Steel for Offshore Platform Tubular Joints; 1st Edition, January 1974; Supplement 1, January 1975.

2. American Institute of Steel Construction (AISC):

   Specification for the Design, Fabrication and Erection of Structural Steel for Buildings; February 12, 1969.

3. American Society for Testing and Materials (ASTM):

A36-75	Structural Steel
A633-75	Normalized High-Strength Low-Alloy Structural Steel.

4. American Welding Society (AWS):

D1.1-75	Structural Welding Code. (Rev. 1-76)

1.4 DESIGN ASSUMPTIONS

1.4.A Environmental Criteria

1. <u>Wave Data</u>

(a) Wave Coefficients

$$C_D = 0.74 \qquad C_M = 1.34$$

These wave coefficients are the wave coefficients used to generate Dean's Stream Function wave grid profile for a 3.0 ft. diameter pile. It is assumed that these wave coefficients are applicable to all tubular shapes in this structure.

(b) Wave-Current Coupling

The pressures indicated by Dean's Stream Function wave grid profile include the coupling of the wave forces with the current forces.

2. <u>Wind Data</u>

The structure is designed for the one minute wind superimposed on the 50 year storm wave.

1.4.B Equipment Loads

All equipment loads are included in the area live load. This is a valid assumption because no piece of equipment has a density to produce a load greater than 150 psf.

1.4.C Marine Growth

1. A 1.0" marine growth allowance on the radius is included on all primary jacket members from (+) 0.0 ft. to the mudline.

2. The effective diameter for the drag area produced by the marine growth is:

$$Deff = (Dact + 2.0") \quad \left(\frac{1.02}{0.74}\right)$$

where $1.02 = C_d$ for medium barnacle fouling

$0.74 =$ Assumed magnitude of Dean's C_d

1.5 DESIGN SUMMARY

1.5.A Environmental Forces:

Total wind and wave shear force (Maximum - Load Condition #2)	1,360 kips
Total overturning moment	117,139 kips

1.5.B Pile Axial Loads:

Maximum Compressive Load (Load Cond. #7 + Pile Weight below Mudline)	2,914 kips
Maximum Tensile Load (Load Cond. #9 + Live Load - Pile Weight below Mudline)	1,972 kips

1.5.C Structural Dimensions:

Piling

Outside Diameter	42 in.
Maximum Wall Thickness	2.37 in.
Minimum Wall Thickness	2.00 in.
Penetration Below Mudline	275 ft.

Jacket

Spacing at Mudline	60.0 ft.
Spacing at Work-Point Level	29.0 ft.
Height (Mudline to Work-Point)	109.5 ft.

Superstructure

Equipment Deck Area	556.0 $ft.^2$
Top Deck Area	364.0 $ft.^2$

1.5.D Structural Steel Weight

Item	Structure
Piling	1,043 kips
Superstructure	132 kips
Jacket	353 kips
Boat Landing	24 kips
Boat Fenders	14 kips
Anodes	16 kips
Total	1,581 kips

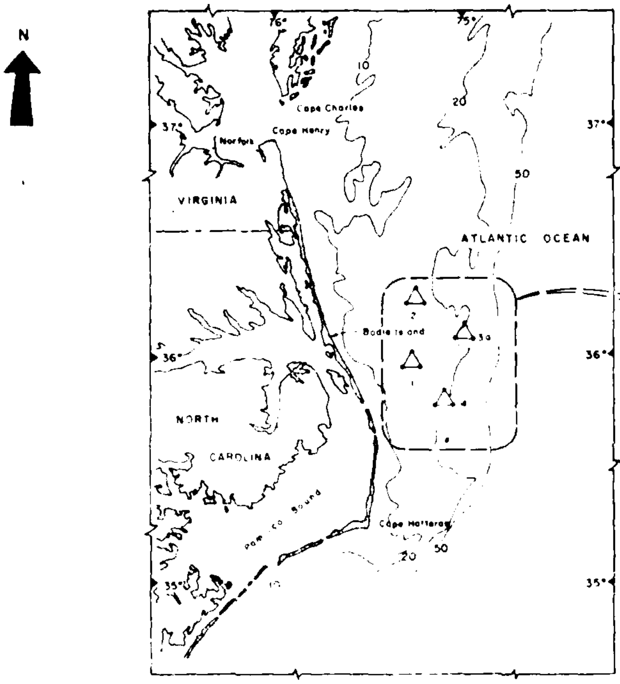
SECTION 2.0

STRUCTURAL DRAWINGS

2.1 INTRODUCTION

A few selected structural engineering drawings are included in this chapter for reference to the design calculations. The Introduction to each Section in this report lists the appropriate drawings pertinent to that particular section. Reference then can be made to this section of the report for a reduced copy of the drawing.

The drawings comprising this section are listed below:



LEGEND

Structure location

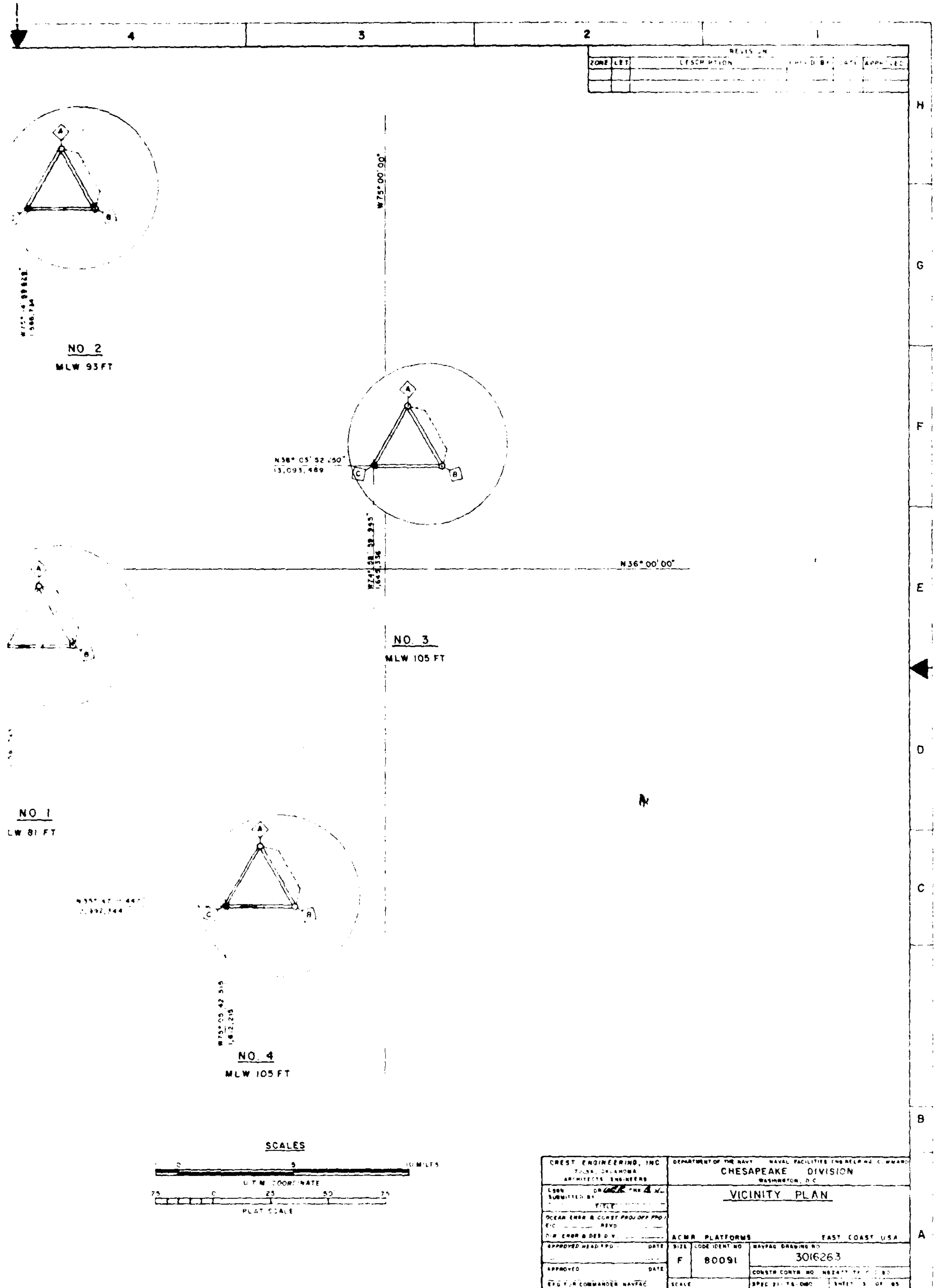
20 Water depth in fathoms

VICINITY MAP

NOTE

1. THE LOCATIONS SHOWN ARE EXPRESSED IN LATITUDE AND LONGITUDE AND IN THE UNIVERSAL TRANSVERSE MERCATOR GRID SYSTEM (ZONE 18, CENTRAL MERIDIAN 75 DEGREES.) THESE LOCATIONS WERE DETERMINED UTILIZING THE RAYDIST SURVEY SYSTEM BY OFFSHORE NAVIGATION, INC., OF HARAHAN, LOUISIANA UNDER CONTRACT TO McCLELLAND ENGINEERS OF NEW ORLEANS, LOUISIANA

2. WITH REGARD TO WATER DEPTHS, INFORMATION AND DATA PERTINENT TO THE INSTALLATION SITES ARE PRESENTED FOR THE CONTRACTORS INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE DATA AND IT IS TO BE EXPRESSLY UNDERSTOOD THAT THE GOVERNMENT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATION OR CONCLUSION DRAWN THEREFROM



NO. 2
MLW 93 FT
W75°00'00"
N38°03'52.250"
13,093,489
N36°00'00"
NO. 3
MLW 105 FT
NO. 1
LW 81 FT
NO. 4
MLW 105 FT
SCALES
10 MILES
U.T.M. COORDINATE
PLAT SCALE
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS ENGINEERS
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
VICINITY PLAN
SUBMITTED BY
TITLE
APPROVED
DATE
ACMR PLATFORMS
EAST COAST USA
SIZE
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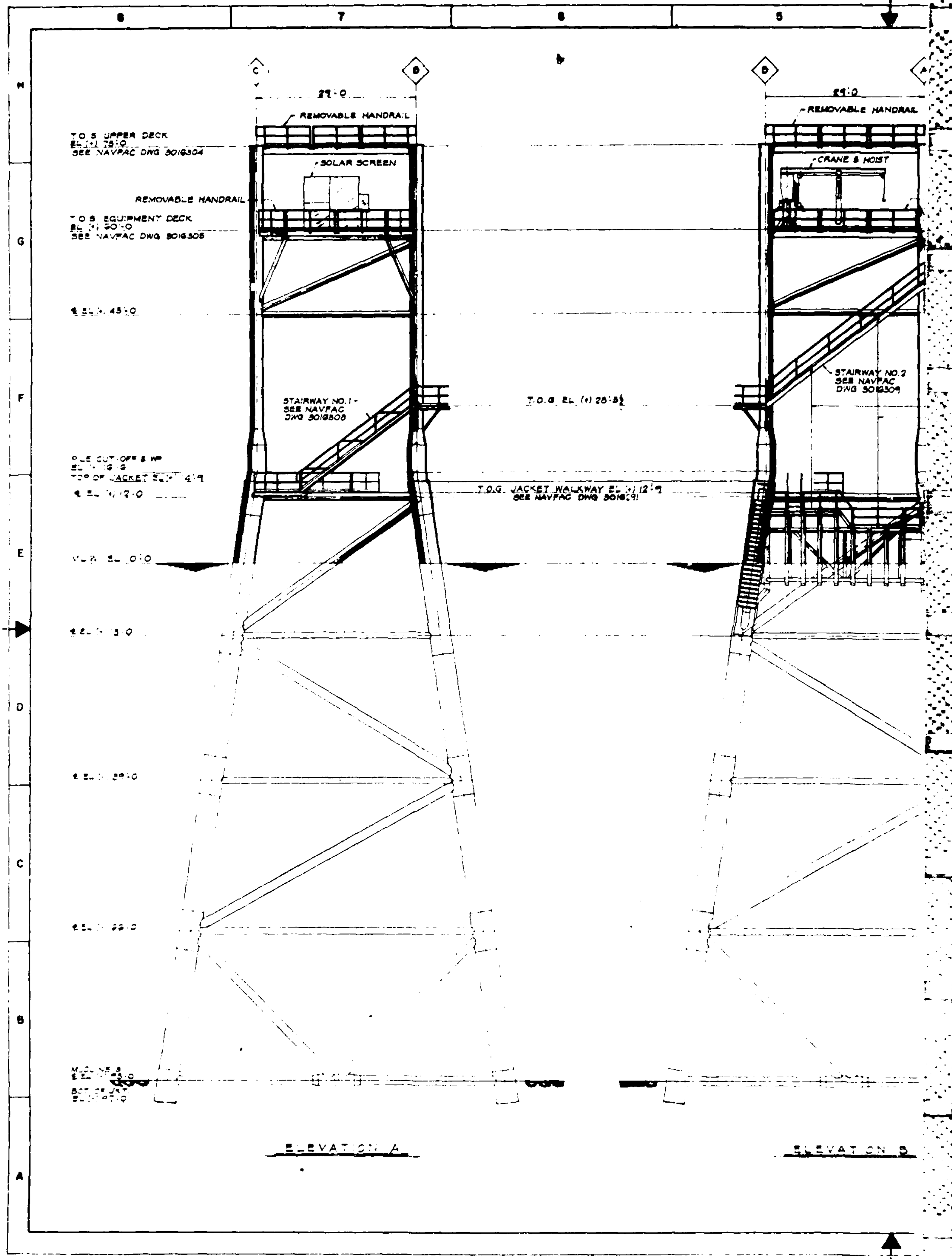
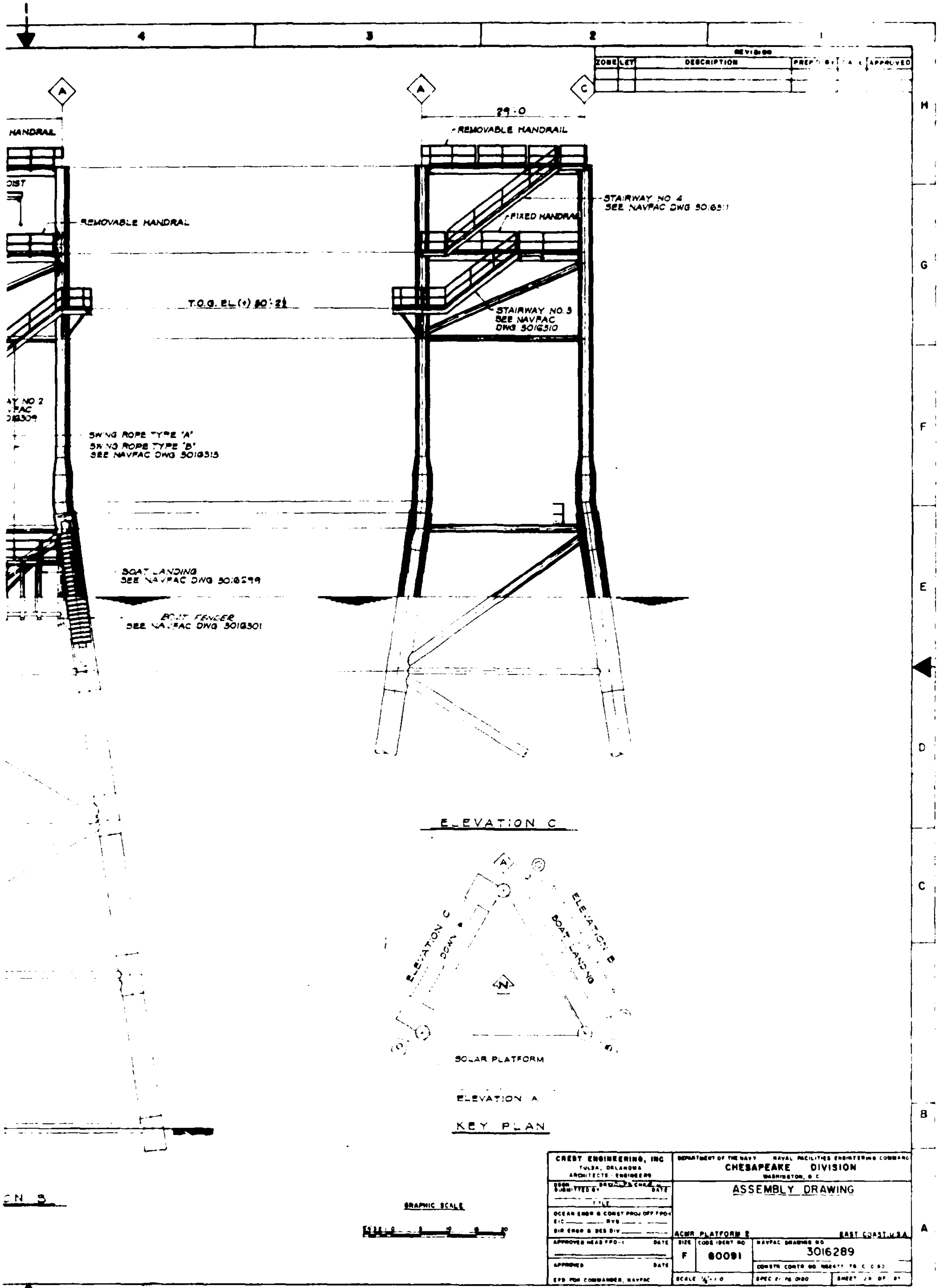
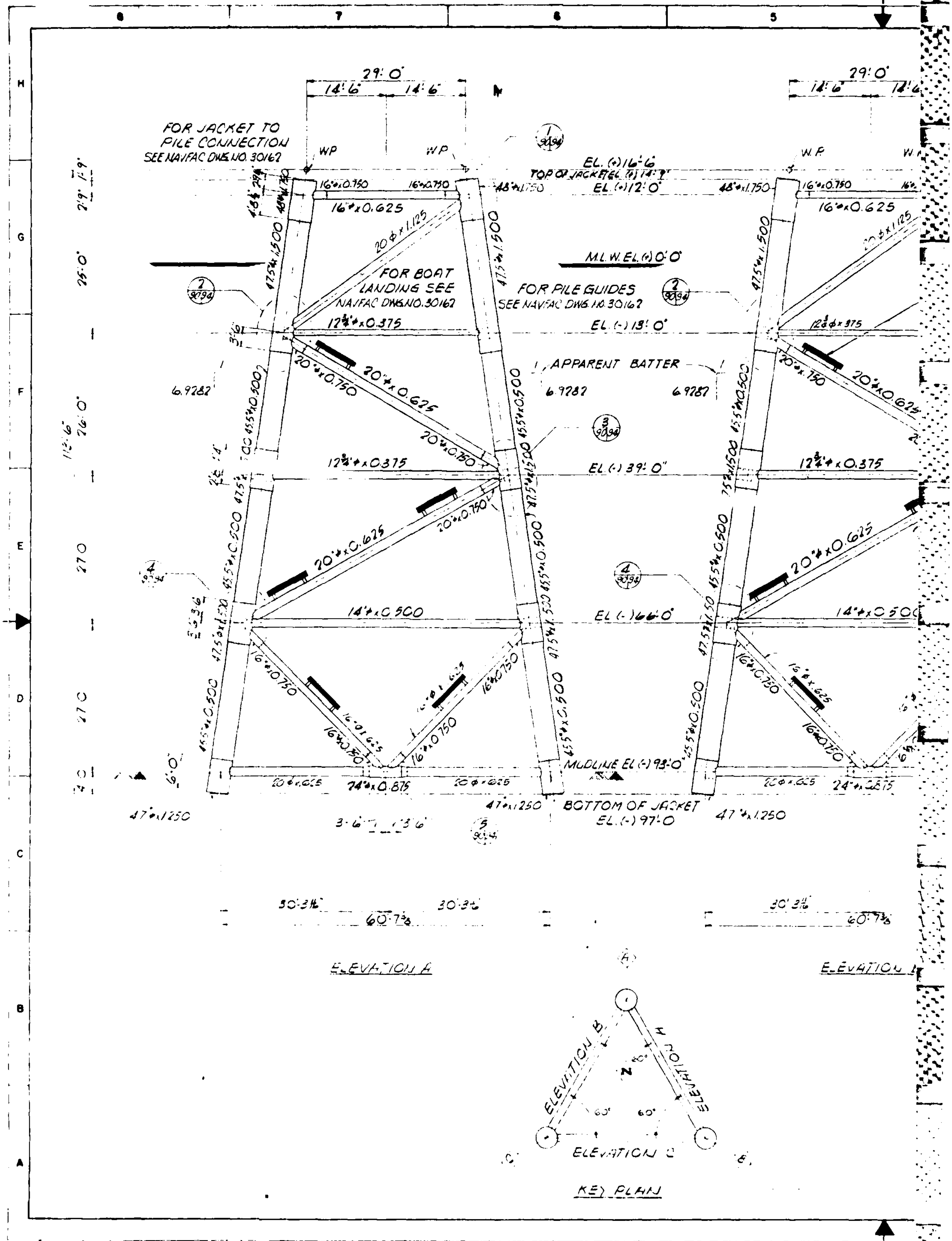
CODE IDENT NO
80091
NAVFAC DRAWING NO
3016263
SCALE



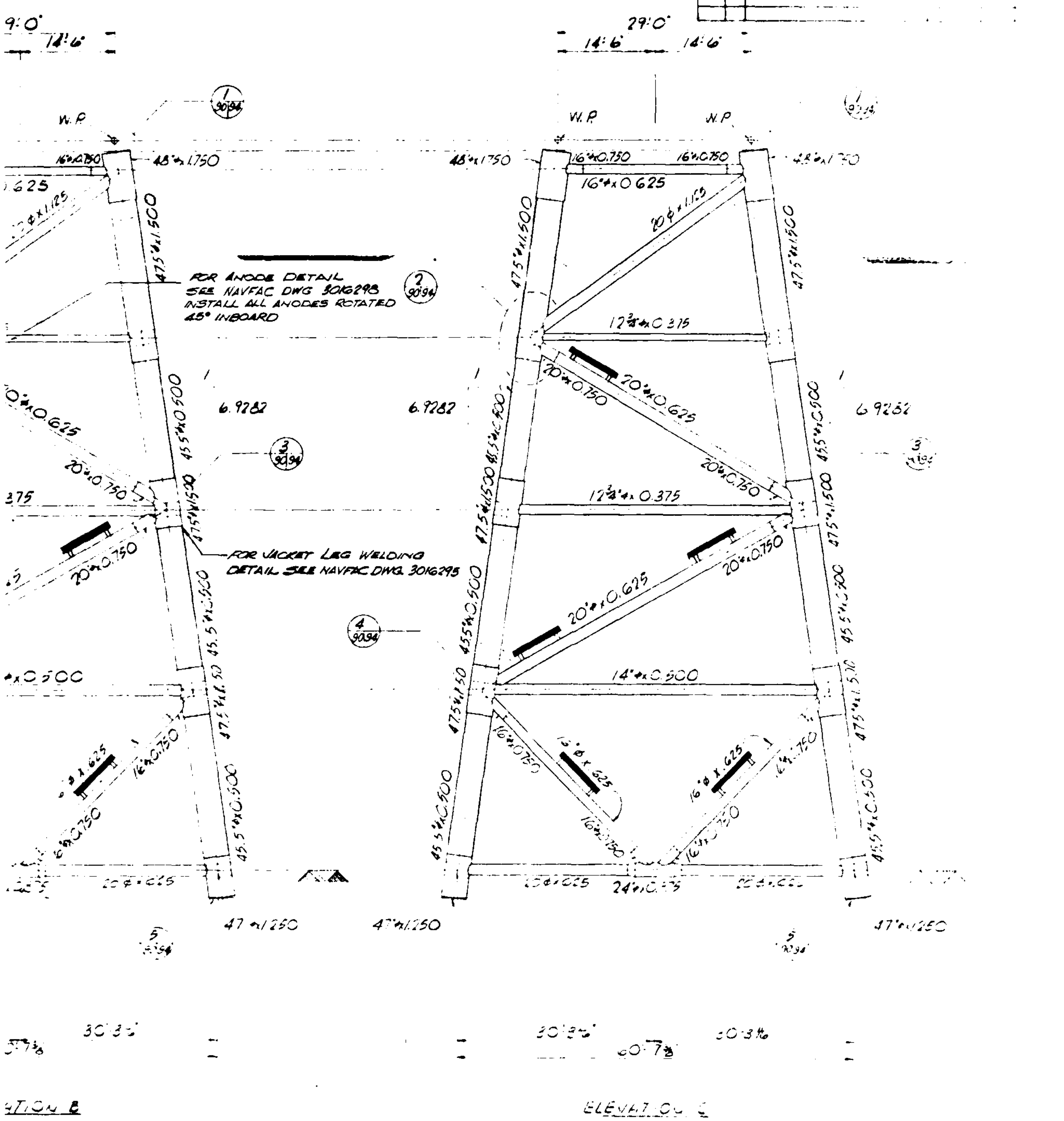
8
7
6
5
29'-0
REMOVABLE HANDRAIL
T.O.S. UPPER DECK
SEE NAVFAC DWG 3016304
SOLAR SCREEN
REMOVABLE HANDRAIL
T.O.S. EQUIPMENT DECK
SEE NAVFAC DWG 3016305
CRANE & HOIST
STAIRWAY NO. 1
SEE NAVFAC DWG 3016308
T.O.G. EL (+) 28'-8½
STAIRWAY NO. 2
SEE NAVFAC DWG 3016309
T.O.G. JACKET WALKWAY
ELEVATION A
ELEVATION B



REVISIONS
ZONE
LET
DESCRIPTION
APPROVED
HANDRAIL
REMOVABLE HANDRAIL
29'-0
REMOVABLE HANDRAIL
STAIRWAY NO. 4
SEE NAVFAC DWG 3016311
FIXED HANDRAIL
T.O.G. EL.(+) 80'-2½
STAIRWAY NO. 3
SEE NAVFAC
DWG 3016310
SWING ROPE TYPE 'A'
SWING ROPE TYPE 'B'
SEE NAVFAC DWG 3016315
BOAT LANDING
SEE NAVFAC DWG 3016299
BOAT FENDER
SEE NAVFAC DWG 3016301
ELEVATION C
ELEVATION C
DOWN
ELEVATION B
BOAT LANDING
N
SOLAR PLATFORM
ELEVATION A
KEY PLAN
GRAPHIC SCALE
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS · ENGINEERS
SUBMITTED BY
DATE
TITLE
OCEAN ENGR & CONST PROJ OFF FPO-1
DIR ENGR & DES DIV
APPROVED HEAD FPO-1
DATE
APPROVED
DATE
FOR COMMANDER, NAVFAC
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
ASSEMBLY DRAWING
ACMR PLATFORM 2
EAST COAST, U.S.A.
SIZE
F
CODE IDENT NO
80091
NAVFAC DRAWING NO
3016289
SCALE



FOR JACKET TO PILE CONNECTION SEE NAVFAC DWG NO. 30162
FOR BOAT LANDING SEE NAVFAC DWG NO. 30162
FOR PILE GUIDES SEE NAVFAC DWG NO. 30162
EL. (+)16'-6
TOP OF JACKET EL. (+) 14'-7
EL. (+)12'-0
M.L.W. EL.(+)0'-0
EL. (-) 13'-0
APPARENT BATTER
6.9282
EL. (-) 39'-0"
EL. (-)66'-0
MUDLINE EL. (-) 93'-0
BOTTOM OF JACKET EL. (-) 97'-0
29'-0
14'-6
WP
16"ϕx0.750
16"ϕx0.625
20ϕx1.125
47.5"ϕx1.500
45.5"ϕx0.500
12¾"ϕx0.375
20"ϕx0.750
20"ϕx0.625
14"ϕx0.500
16"ϕx0.750
24"ϕx0.875
47"ϕx1.250
30'-3½
60'-7⅜
ELEVATION A
ELEVATION B
ELEVATION C
ELEVATION H
KEY PLAN



FOR GENERAL NOTES SEE NAVFAC DWG ...

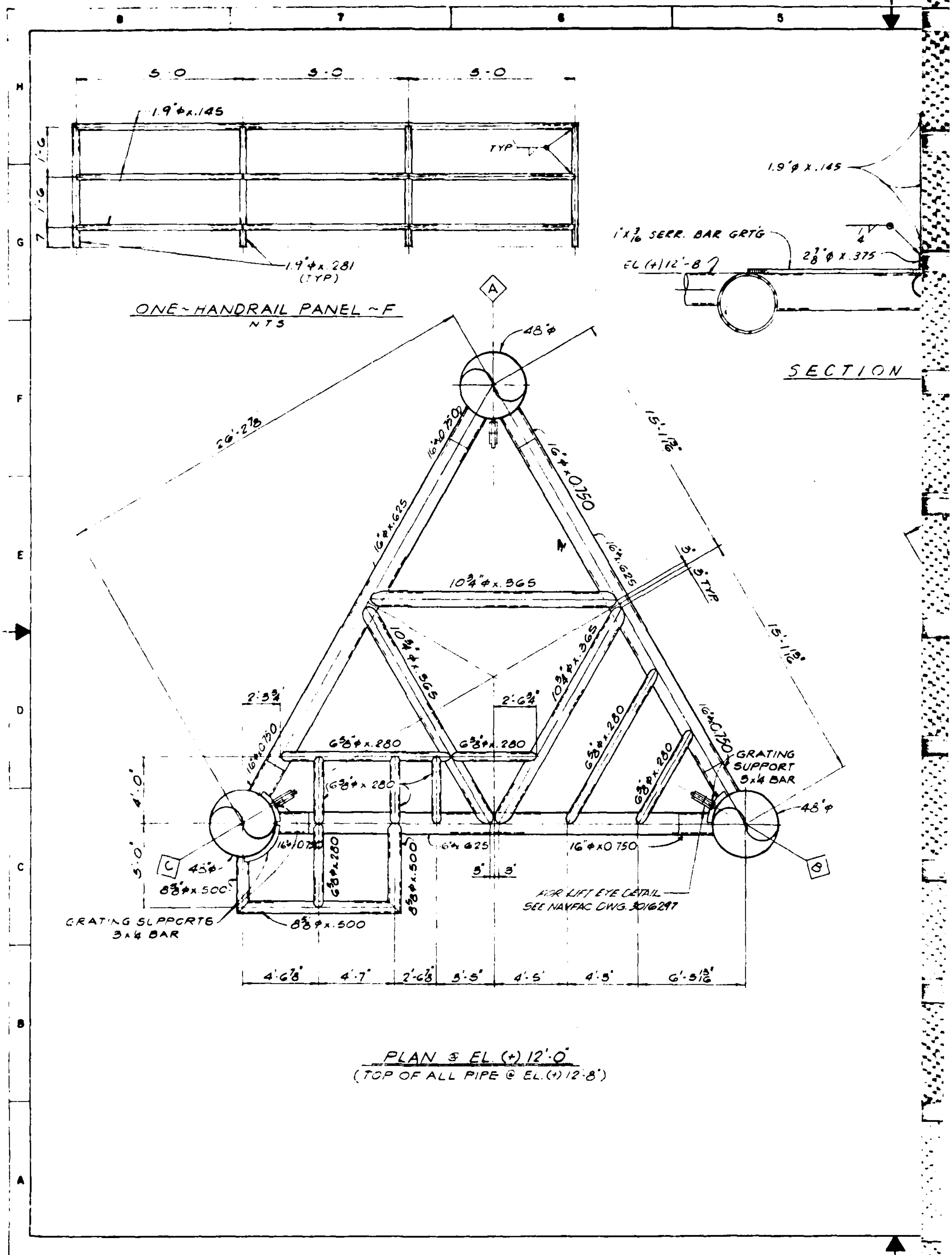
ALL JOINT CANS TO BE ASTM A-633 GRADE A OR API 2H

STUB ENDS OF BRACES TO BE A-53 GRADE B OR API GRADE B

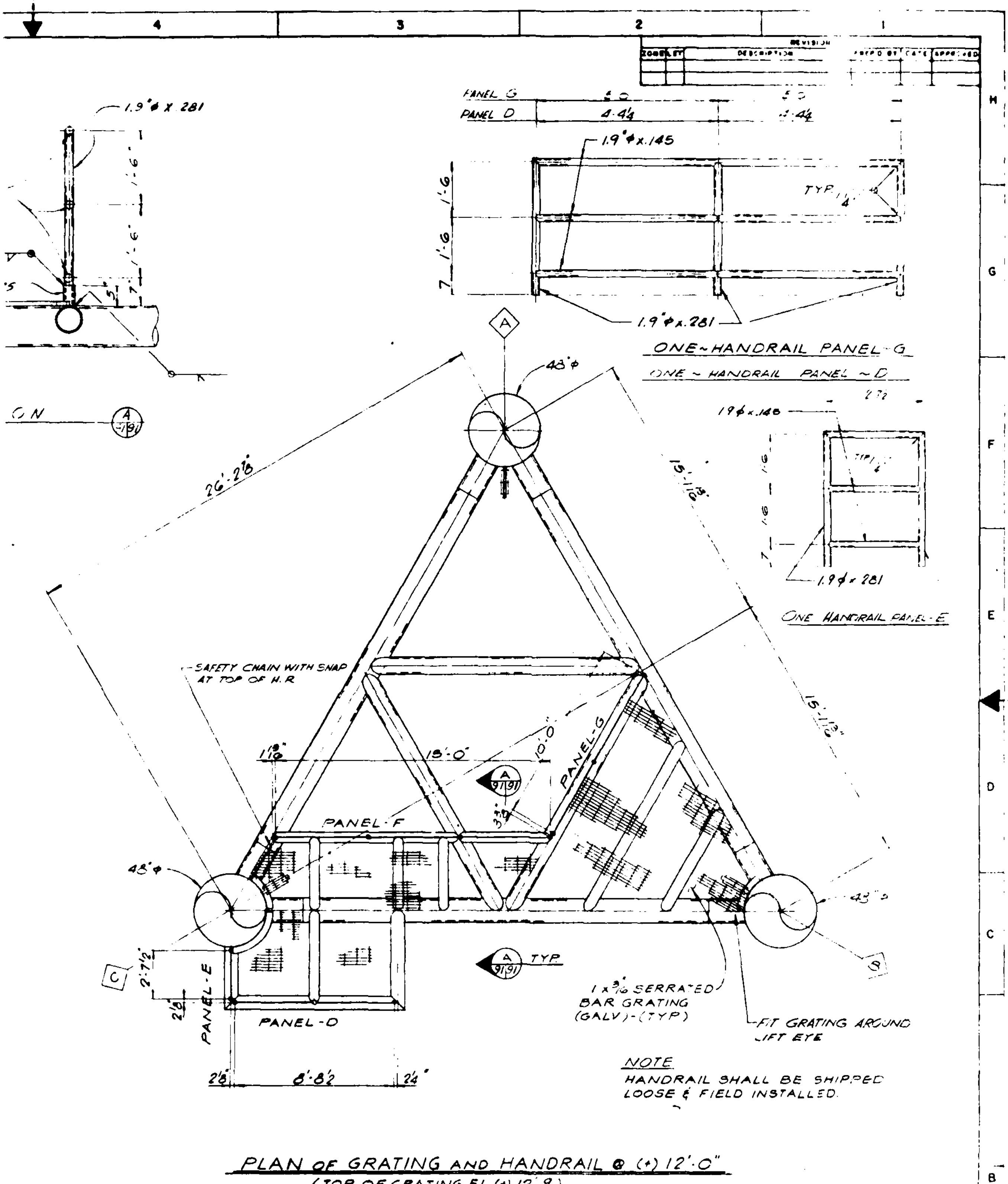
GRAPHIC SCALE

1/8" = 1'-0" 0 5 10 15 20

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
SUBMITTED BY / DATE	JACKET ELEVATIONS
OCEAN ENGR & CONST PROJ OFF FPO	ACMR PLATFORM 2 — EAST COAST USA
APPROVED HEAD FPO / DATE	SIZE F — CODE IDENT NO 80091 — NAVFAC DRAWING NO 3016290
APPROVED / DATE	CONSTR CONTR NO
FPO FOR COMMANDER, NAVFAC	SCALE 1/8" = 1'-0" — SPEC 21-78-0180 — SHEET 30 OF 85



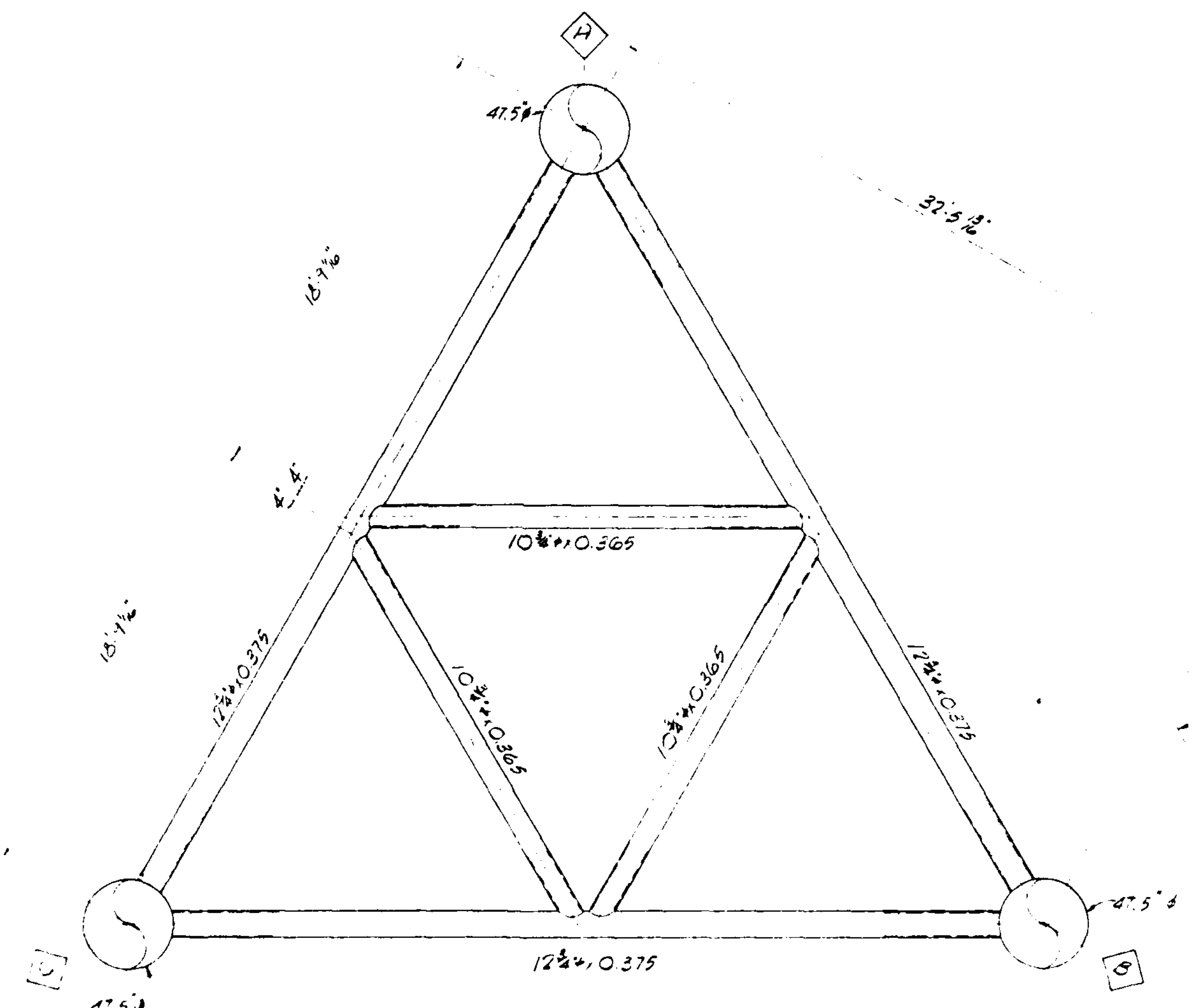
5-0
5-0
5-0
1.9"φ x .145
TYP
1'-6
1'-6
7
1.9"φ x .281
(TYP)
ONE ~ HANDRAIL PANEL ~ F
NTS
1.9"φ X .145
1"x 3/16 SERR. BAR GRT'G
EL (+) 12'-8
2 7/8"φ X .375
SECTION
A
48"φ
26'-2 7/8
15'-1 1/16
16"φ x 0750
16"φ x .625
16"φ x .625
10 3/4"φ x .365
10 3/4"φ x .365
10 3/4"φ x .365
3" 3" TYP
15'-1 1/16
2'-3 3/4
2'-6 3/4
6 5/8"φ x .280
6 5/8"φ x .280
6 5/8"φ x .280
6 5/8"φ x .280
6 5/8"φ x .280
16"φ x 0750
16"φ x 0750
GRATING SUPPORT 3x1/4 BAR
48"φ
4'-0"
3'-0"
C
48"φ
8 5/8"φ x .500
8 5/8"φ x .500
8 5/8"φ x .500
6 5/8"φ x .280
16"φ 0750
6"φ .625
16"φ x 0 750
B
3" 3"
FOR LIFT EYE DETAIL SEE NAVFAC DWG. 3016297
GRATING SUPPORTS 3x1/4 BAR
4'-6 7/8"
4'-7"
2'-6 7/8"
3'-5"
4'-5"
4'-5"
6'-3 13/16"
PLAN @ EL (+) 12'-0"
(TOP OF ALL PIPE @ EL (+) 12'-8")



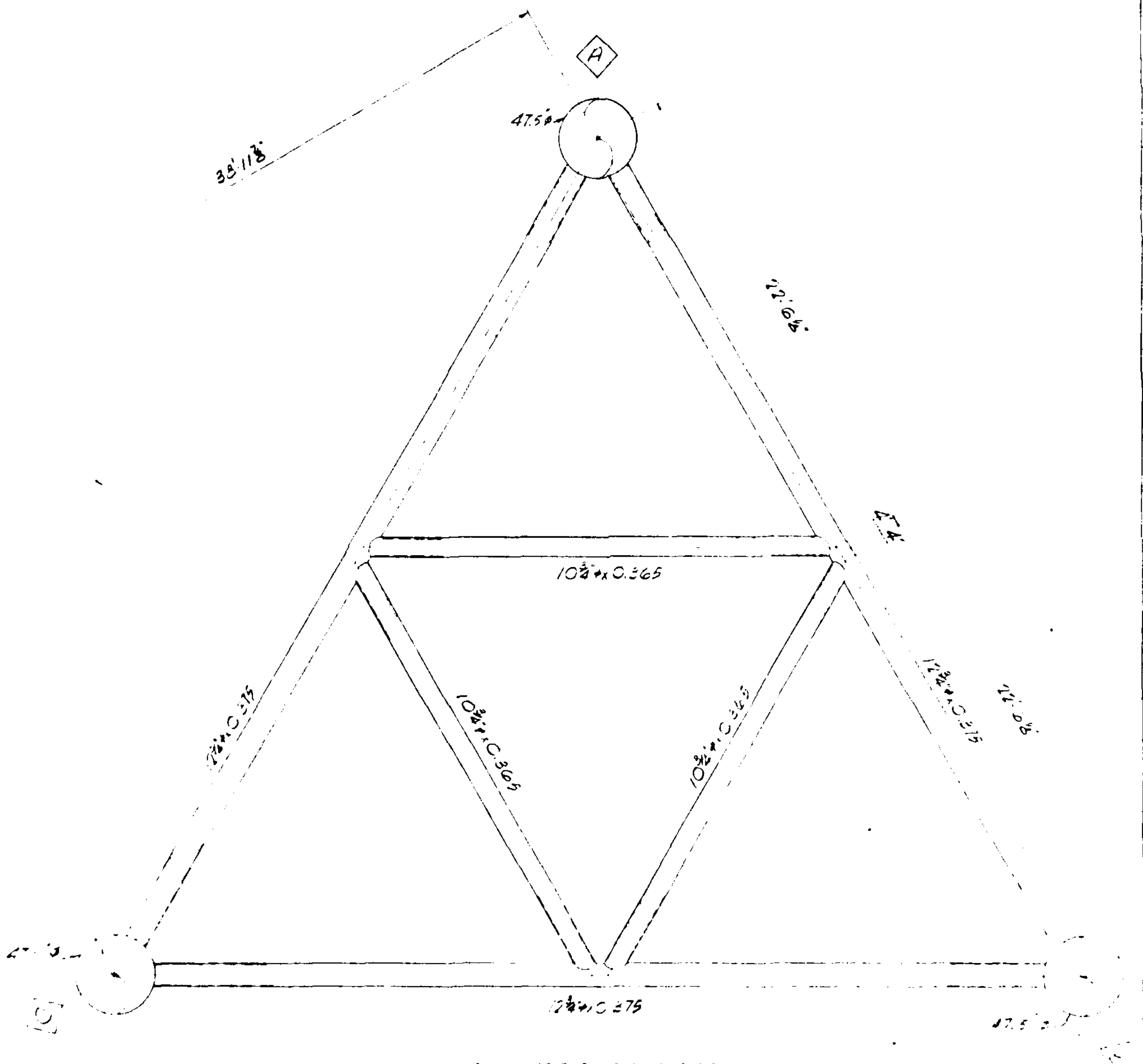
PLAN OF GRATING AND HANDRAIL @ (+) 12'-0"
(TOP OF GRATING EL.(+) 12'-9)

GRAPHIC SCALE

CREST ENGINEERING, INC — TULSA, OKLAHOMA — ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND — CHESAPEAKE DIVISION — WASHINGTON, D.C.
	JACKET — PLAN AT EL (+) 12'-0"
	ACMR PLATFORM 2 — EAST COAST USA
SIZE F	CODE IDENT NO 80091 — NAVFAC DRAWING NO 3016291
SCALE 3/8"=1'-0"	



PLAN AT ELEVATION (-)13'-0"
℄ OF ALL PIPES



PLAN AT ELEVATION (-)39'-0

FOR GENERAL NOTES SEE NAVFAC DRAWING

GRAPHIC SCALE

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ARCHITECTS ENGINEERS

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

JACKET
PLAN AT EL (-)13'-0" & (-)39'-0"

ACMR PLATFORM 2 — EAST COAST USA

SIZE	CODE IDENT NO	NAVFAC DRAWING NO
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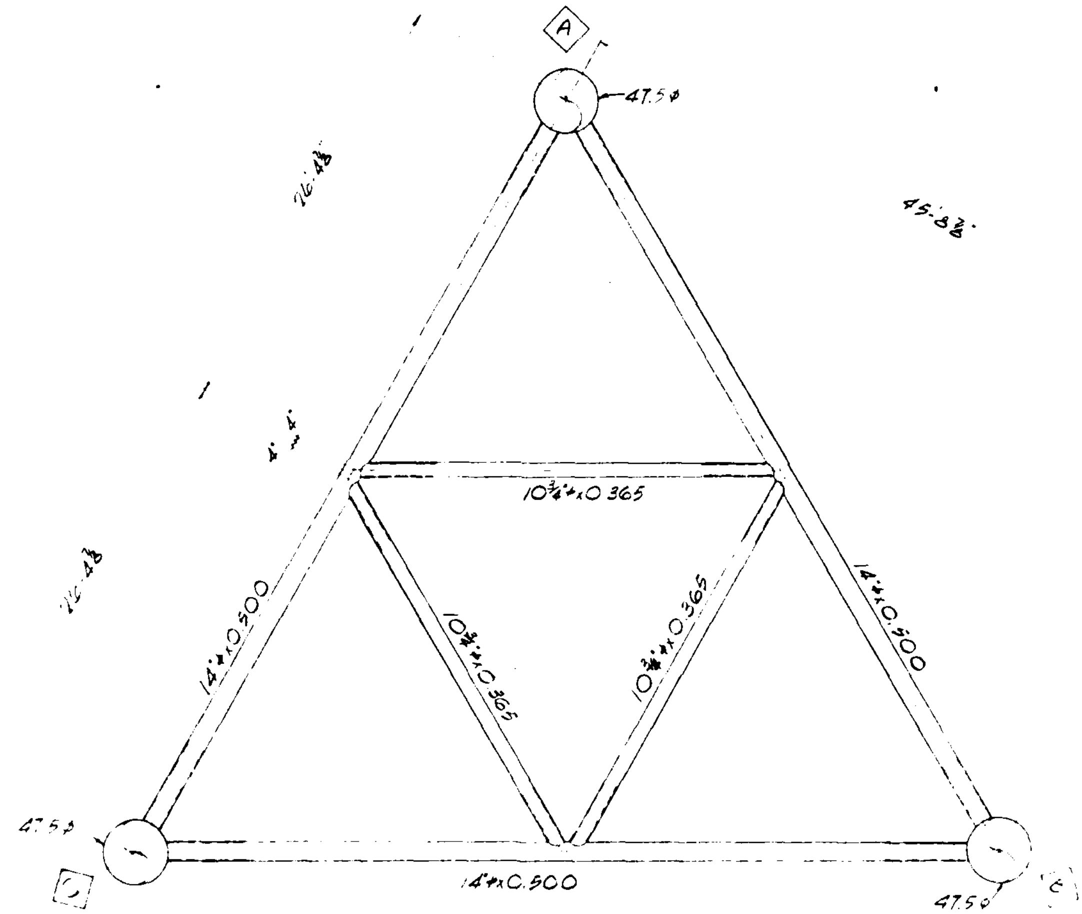
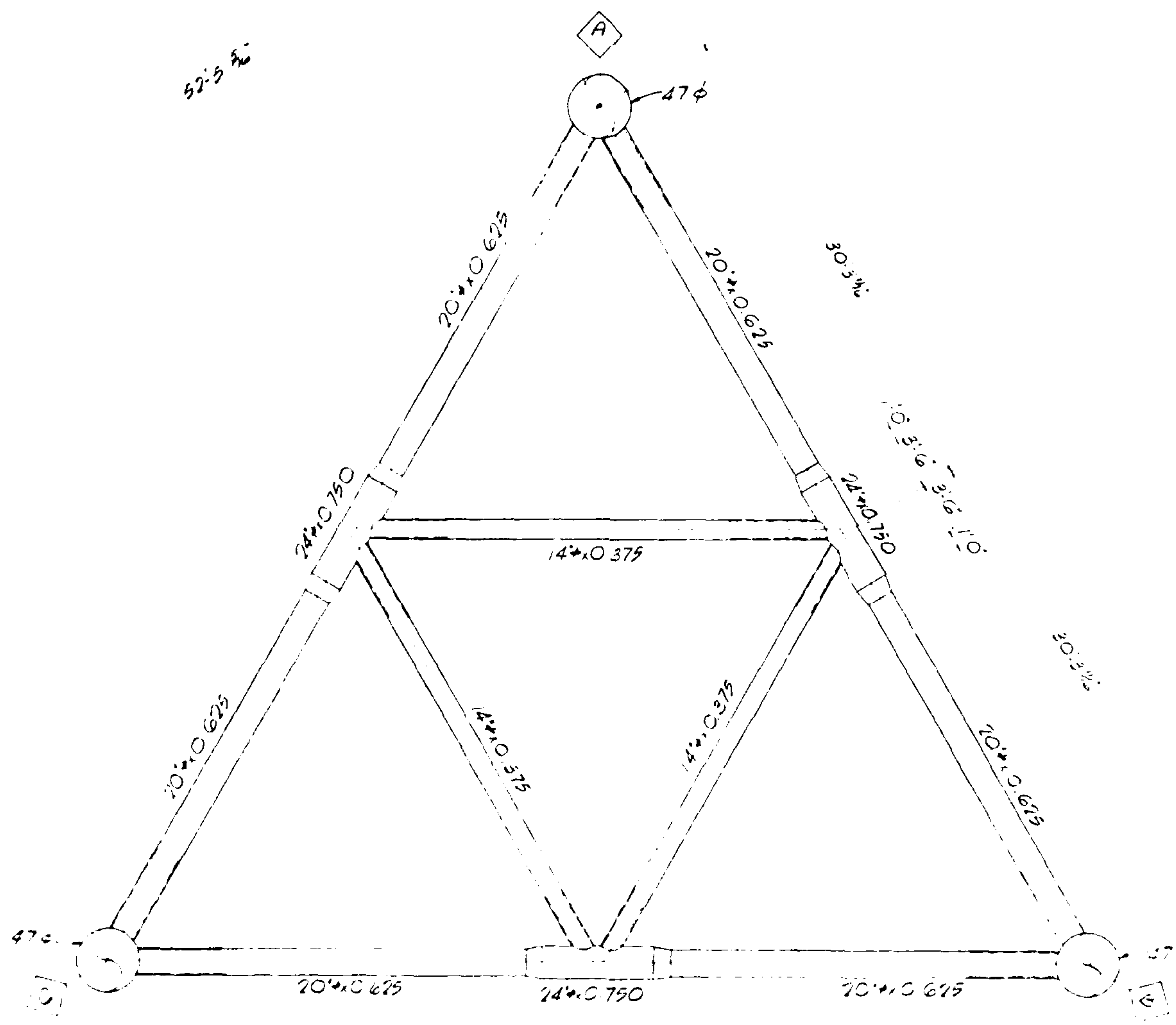
APPROVED — DATE
FOR COMMANDER, NAVFAC



PLAN AT ELEVATION (-)166'-0"
℄ OF ALL PIPES

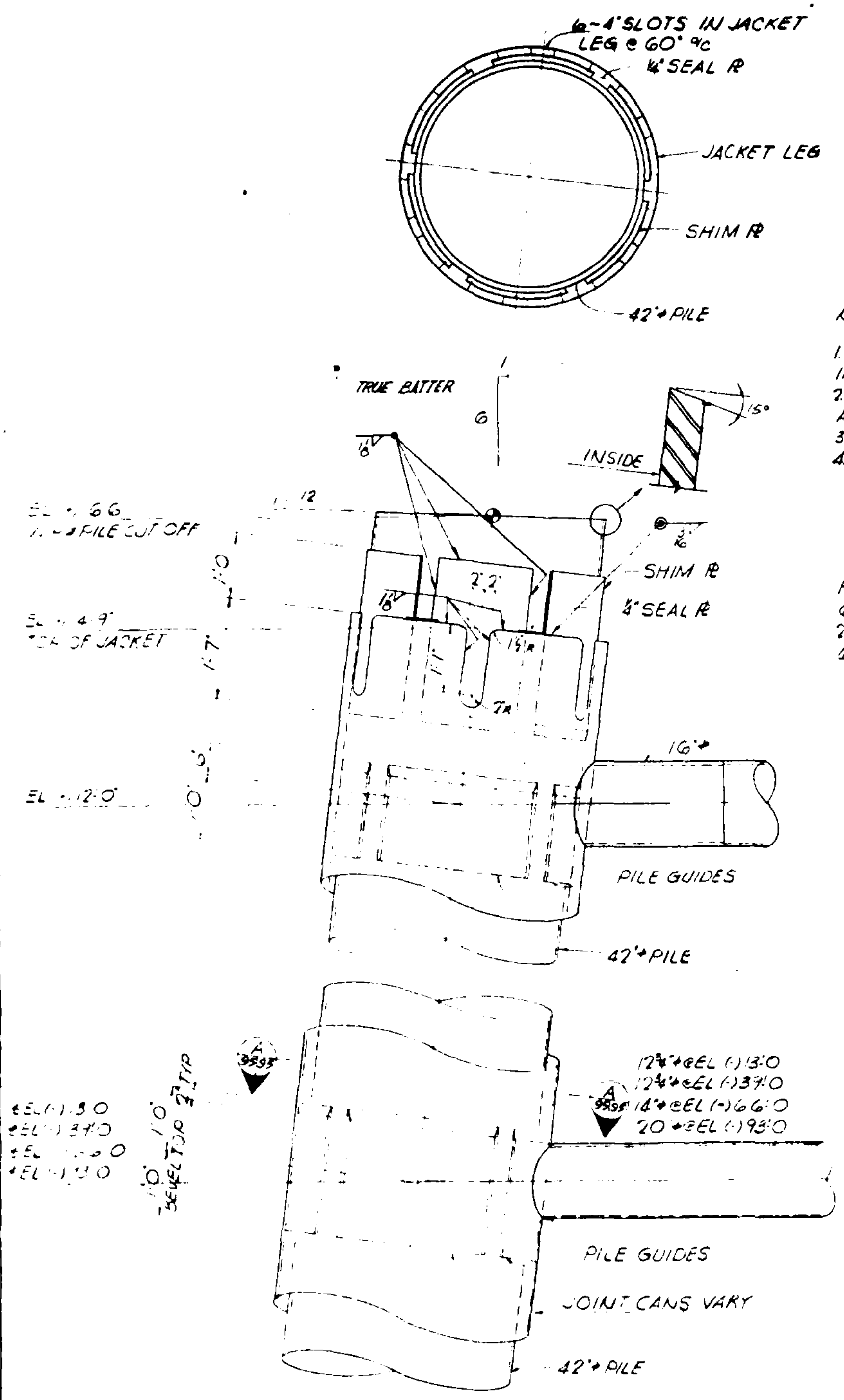


PLAN AT ELEVATION (-) 193'-0"
℄ OF ALL PIPES

FOR GENERAL NOTES SEE NAVFAC DRAWINGS

GRAPHIC SCALE

CREST ENGINEERING, INC TULSA OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON D.C.
SUBMITTED BY DATE	JACKET PLAN AT EL (-)166'-0" & (-)193'-0"
OCEAN ENGR & CONST PROJ OFF FPO	ACMR PLATFORM 2 EAST COAST USA
APPROVED HEAD FPO DATE	SIZE F · CODE IDENT NO 80091 · NAVFAC DRAWING NO 3016293
APPROVED DATE FPO FOR COMMANDER NAVFAC	SCALE · SPEC · SHEET 35 OF 85

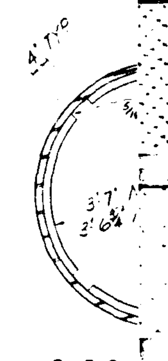


NOTE:

1. DO NOT STOP PILE WITH CIRCUMFERENCIAL ... IN SHIM AREA.
2. CONTRACTOR TO USE SHIELD IN CUTTING SLOTS ... AVOID DAMAGE TO PILES.
3. ORIENT SLOTS TO AVOID LIFTING EYES
4. CONTRACTOR TO FURNISH A WRAP AROUND TEMPLATE FOR TOP OF PILE FIELD CUT.

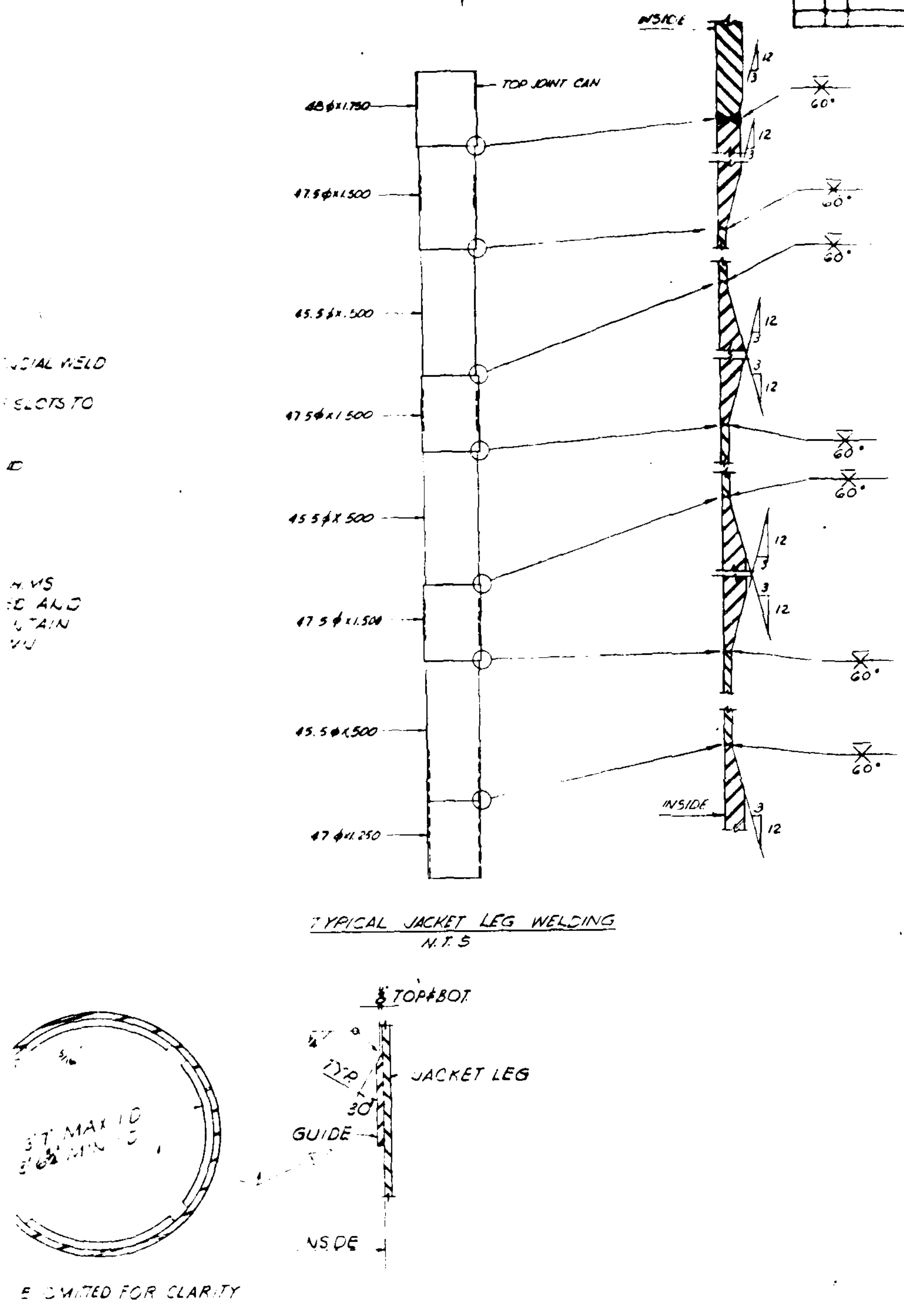
FABRICATOR TO FURNISH FOLLOWING SHIMS:
6 PL 1⁄8 x 18⅝ x 2'-7 } SHIMS TO BE ROLLED AN...
24 PL ¼ x 18⅝ x 2'-7 } FABRICATED TO MAINTAIN
6 PL ⅜ x 18⅝ x 2'-7 } TOLERANCES SHOWN

ELEVATION OF LEG
(PILE TO LEG CONNECTION)
(PILE GUIDE DETAILS)



PILE OM...

NOTE: THE CO... TO MAINTAIN... AFTER FABRI... SHALL BE RE... IF NECESSA...



...E OMITTED FOR CLARITY

SECTION (A)

THE CONTRACTOR SHALL SIZE SHIM PLATES ... TAIN DIAMETER TOLERANCES SHOWN ... FABRICATION & LOAD OUT. TOLERANCES ... BE RECHECKED & PILE GUIDES REPLACED ... ESSARY

GRAPHIC SCALE

1" = 1'-0"

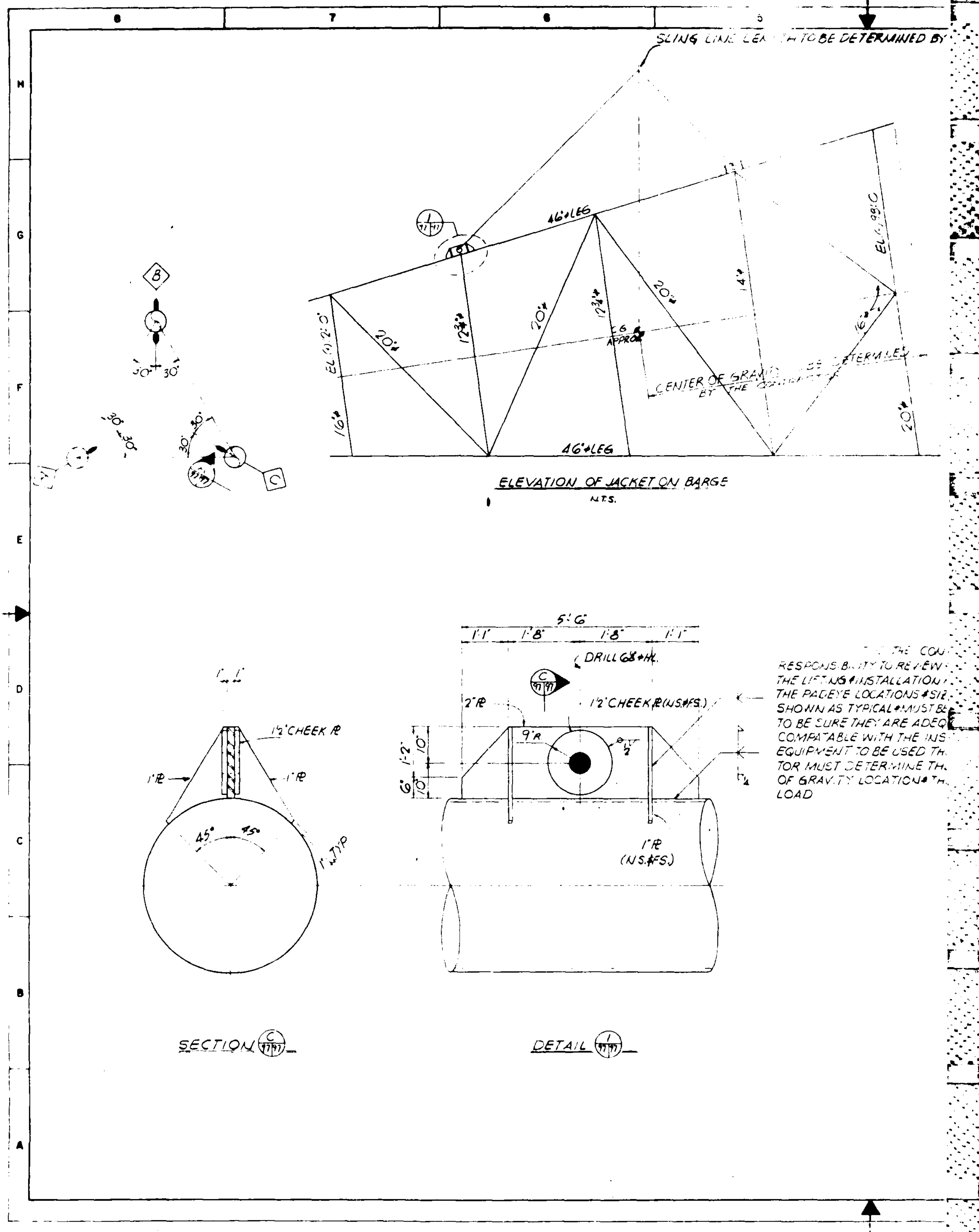
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

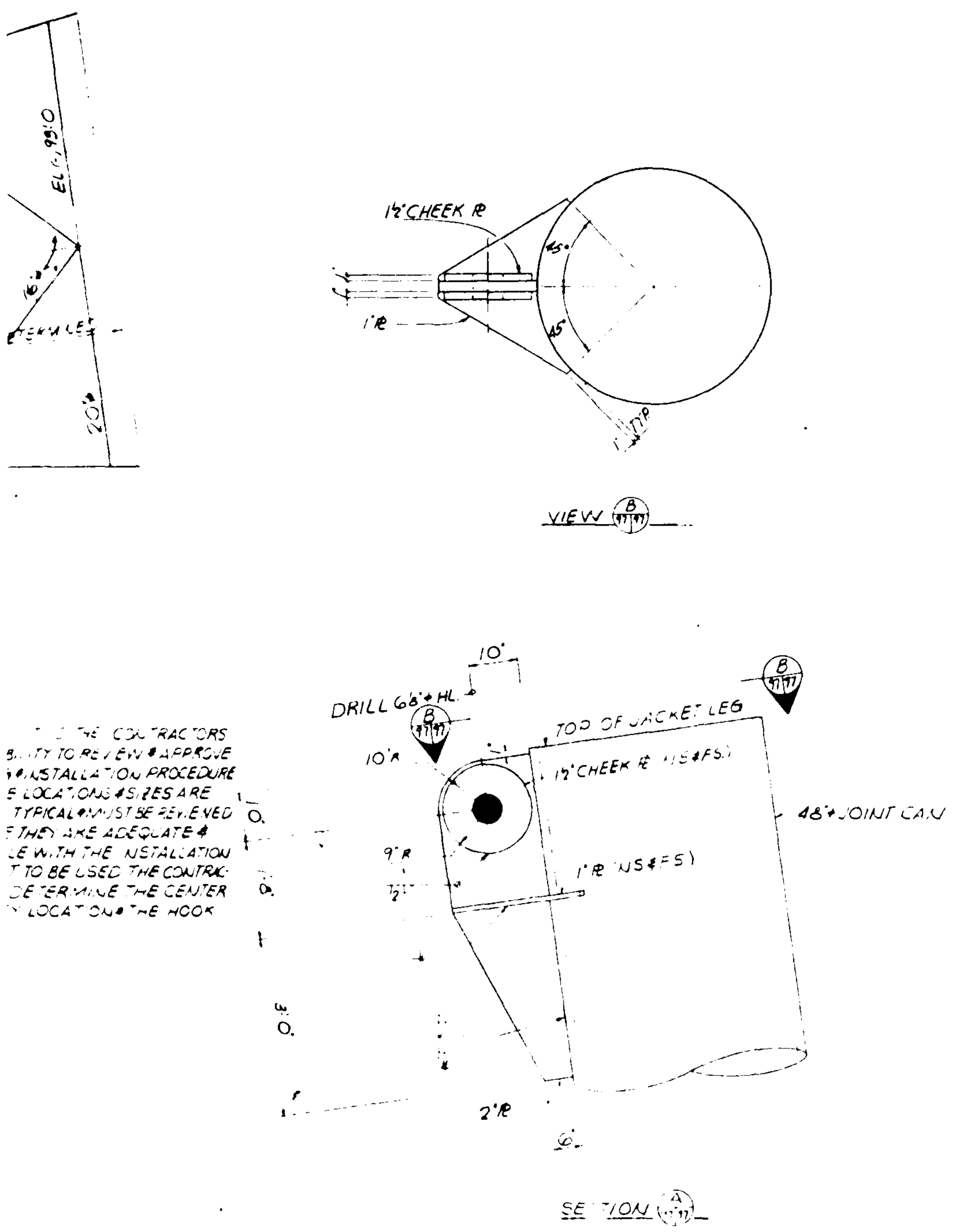
JACKET
PILE SHIMS & LEG CONNECTION

A C N R PLATFORM 2 — EAST COAST U.S.A.

SIZE	CODE IDENT NO	NAVFAC DRAWING NO
F	80091	3016295

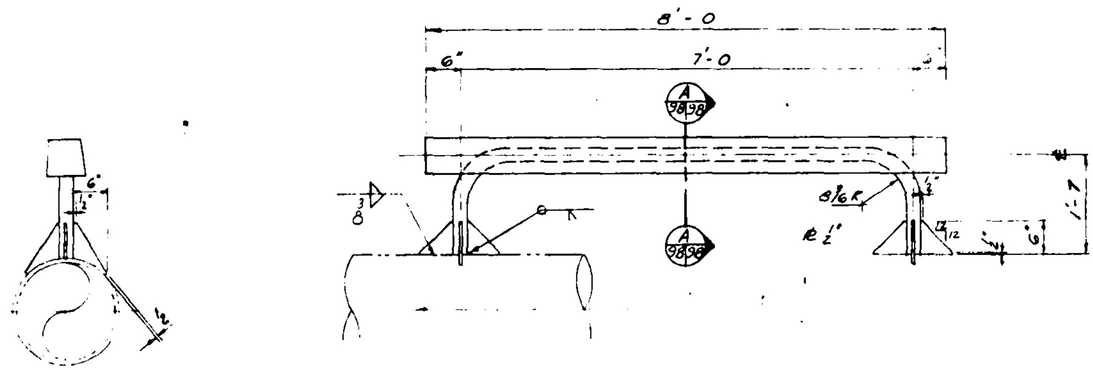

SLING LINE LEN TH TO BE DETERMINED BY
46"⌀ LEG
20"⌀
12¾"⌀
14"⌀
16"⌀
EL (+)99'-0
EL (-)2'-0
CG APPROX
CENTER OF GRAVITY TO BE DETERMINED BY THE CONTRACTOR
ELEVATION OF JACKET ON BARGE
N.T.S.
5'-6"
1'-1"
1'-8"
DRILL 6⅞"⌀ HL.
2"PL
1½" CHEEK PL (NS & FS.)
9"R
1'-2"
10"
6"
1"PL (NS & FS.)
1"PL
1½" CHEEK PL
45°
1" TYP
THE CONT RESPONSIBILITY TO REVIEW THE LIFTING & INSTALLATION THE PADEYE LOCATIONS & SIZE SHOWN AS TYPICAL & MUST BE TO BE SURE THEY ARE ADEQ COMPATABLE WITH THE INS EQUIPMENT TO BE USED TH TOR MUST DETERMINE TH OF GRAVITY LOCATION & TH LOAD
SECTION C
DETAIL 1

DETERMINED BY THE CONTRACTOR



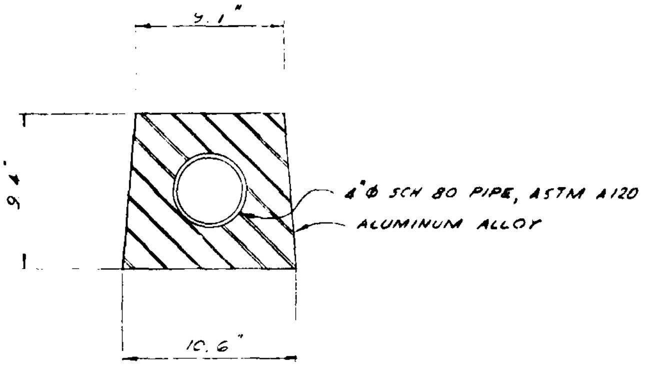
GRAPHIC SCALE

CREST ENGINEERING, INC. TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
SUBMITTED BY / DATE	JACKET LIFTING EYES
OCEAN ENGR & CONST PROJ OFF FPO	A.C.M. PLATFORM 2 — EAST COAST U.S.A.
APPROVED HEAD FPO / DATE	SIZE F — CODE IDENT NO 80091 — NAVFAC DRAWING NO 3016297
APPROVED / DATE — FPO FOR COMMANDER NAVFAC	SCALE — SPEC — SHEET 37 OF 85



ANODE DETAIL

SCALE: 1" = 1'-0"



SECTION A 98 98

SCALE: 3" = 1'-0

ANODE WEIGHT LBS EACH

ALUMINUM ALLOY	CORE	TOTAL ANODE
725	120	845

ANODE SCHEDULE		
LOCATION	NO. REQD	
FACE A - B	5	
FACE B - C	5	
FACE A - C	5.	
TOTAL NO	15	

(1)

4	3	2	1

REVISIONS					
ZONE	LET	DESCRIPTION	DRAFT BY	DATE	APPROVED

GRAPHIC SCALES

1" = 1'-0"

CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

JACKET
ANODE DETAILS

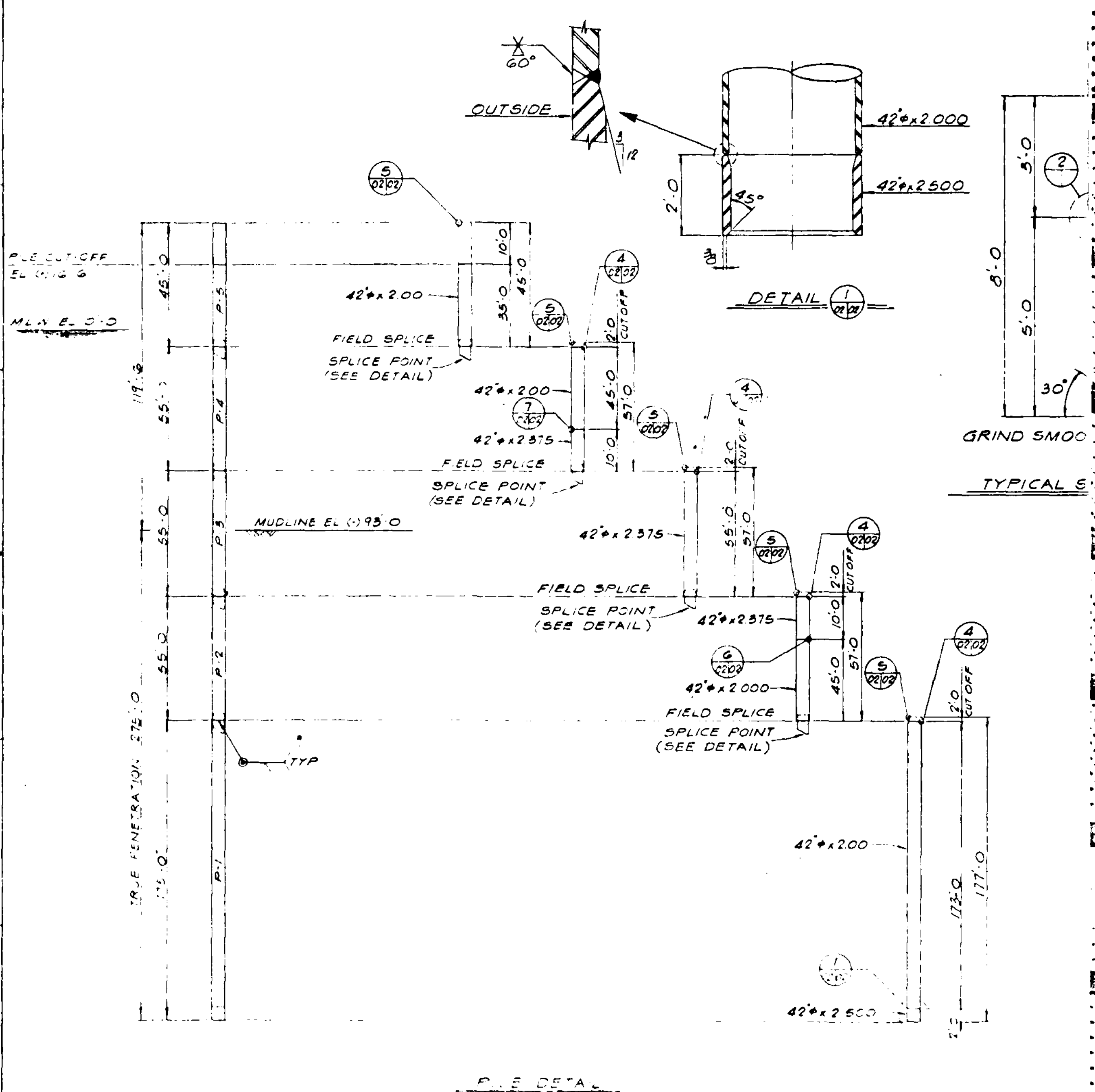
DSGN DR CHK
SUBMITTED BY DATE
TITLE
OCEAN ENGR & CONST PROJ OFF FPO-1
EIC RVD
DIR ENGR & DES DIV
APPROVED HEAD FPO-1 DATE
APPROVED DATE
FPO FOR COMMANDER, NAVFAC

ACMR PLATFORM 2 EAST COAST U.S.A.

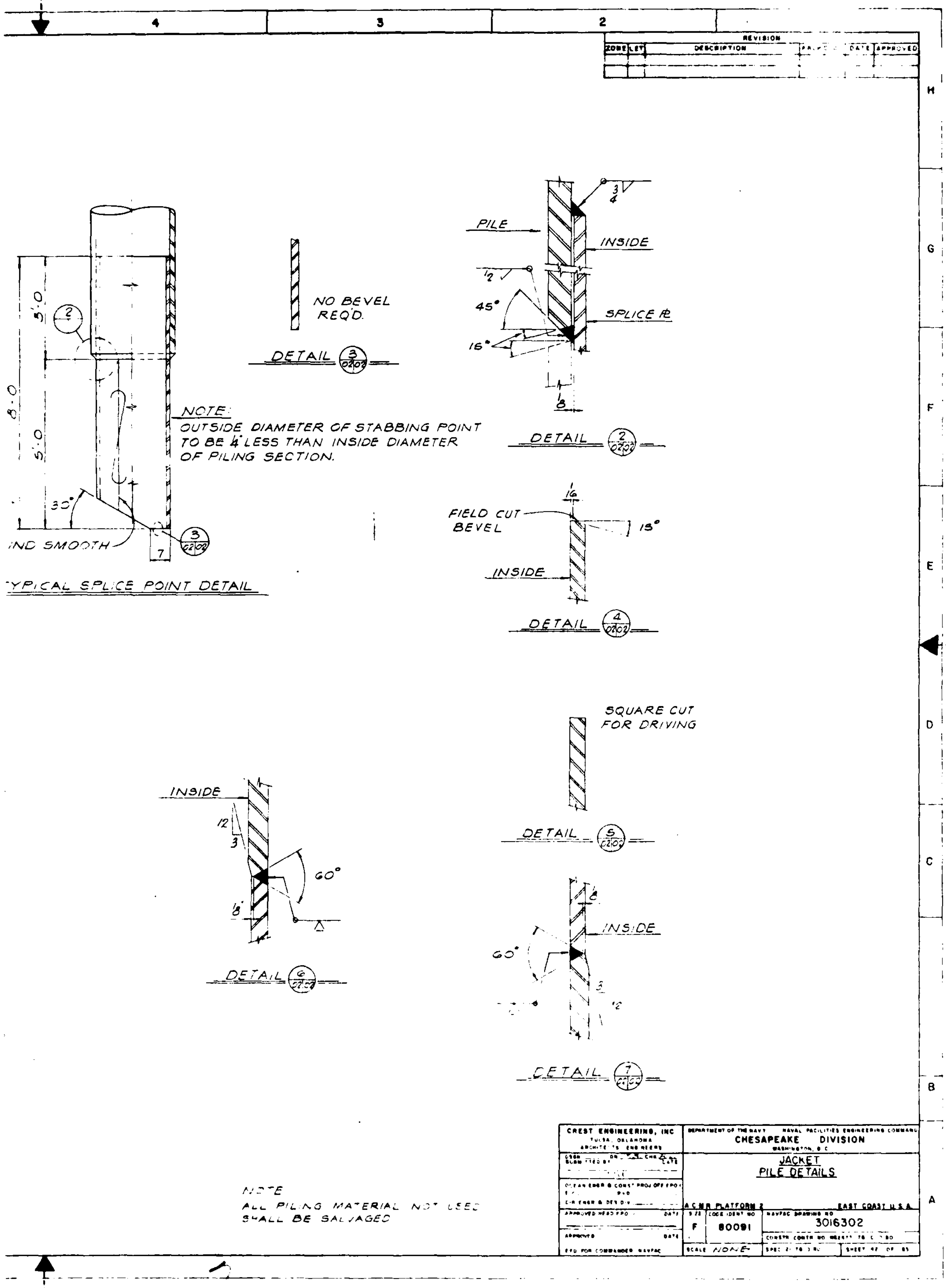
SIZE	CODE IDENT NO	NAVFAC DRAWING NO
F	80091	3016298
SCALE		SPEC 21-76-0180 / SHEET 38 OF 85

CONSTR CONTR NO N62477-76-C-0180

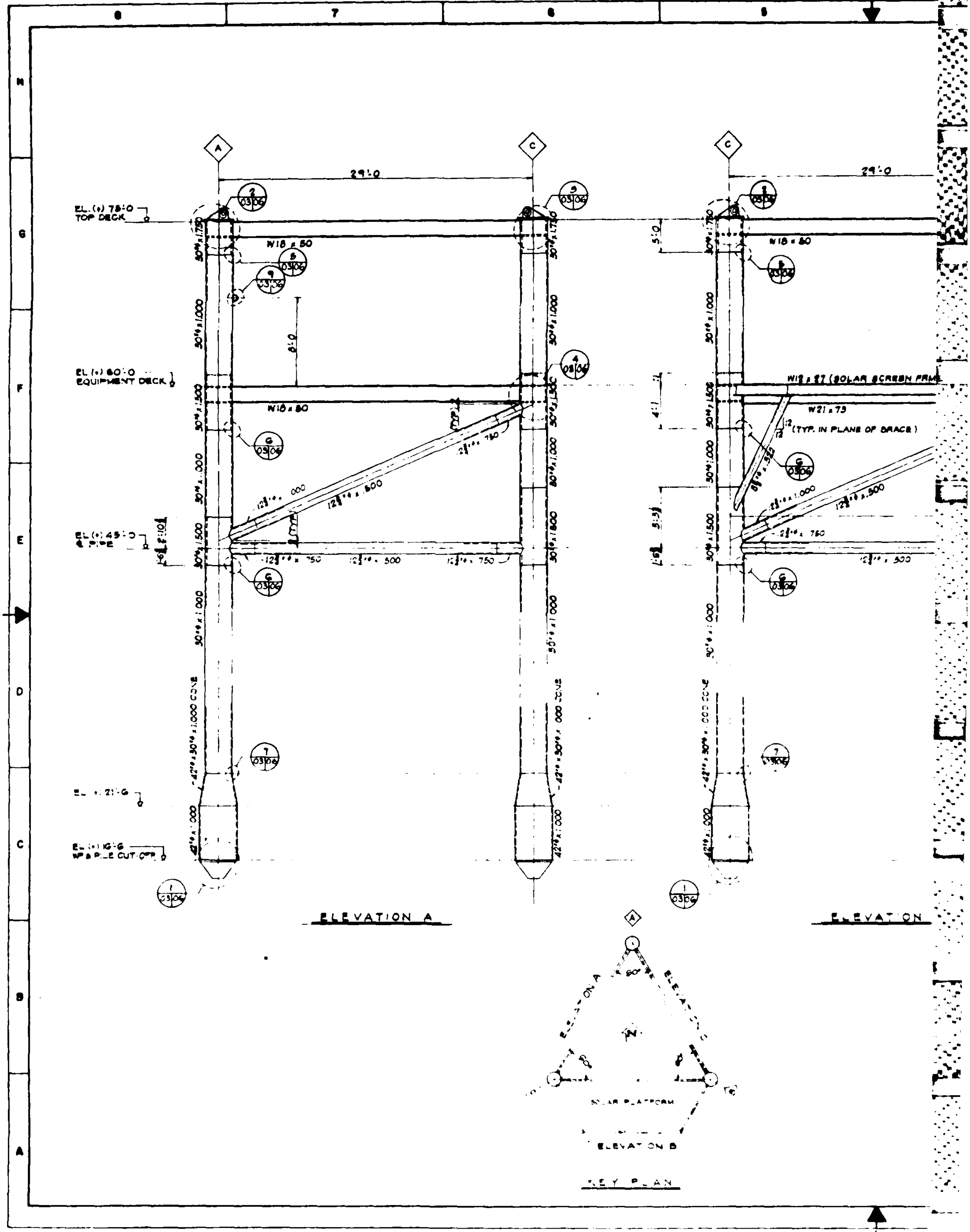
NOTE
1) MARK TOP END OF EACH SECTION OF PILE INSIDE & OUTSIDE AS FOLLOWS
(A) MAIN PILE (MP);
(B) LOWER SECTION, 1ST ADD ON 2ND AND ON ETC.
2) CONTRACTOR TO FURNISH PILE LIFT EYES.



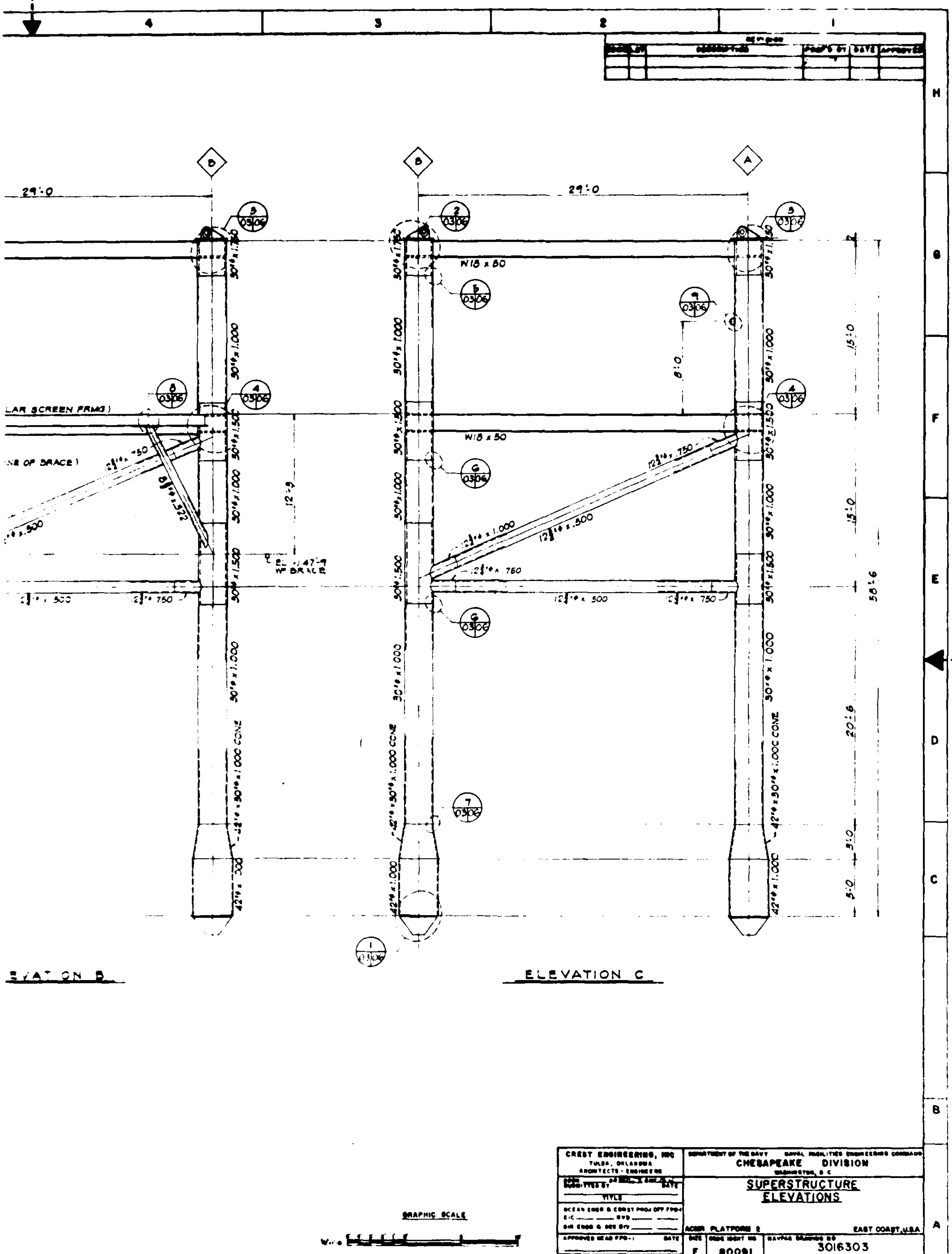
PILE DETAIL
3 REQD



REVISION
ZONE LET DESCRIPTION DATE APPROVED
NOTE:
OUTSIDE DIAMETER OF STABBING POINT TO BE ¼" LESS THAN INSIDE DIAMETER OF PILING SECTION.
YPICAL SPLICE POINT DETAIL
NO BEVEL REQ'D.
DETAIL 3
PILE
INSIDE
SPLICE ℞
DETAIL 2
FIELD CUT BEVEL
INSIDE
DETAIL 4
SQUARE CUT FOR DRIVING
DETAIL 5
INSIDE
DETAIL 6
INSIDE
DETAIL 7
NOTE
ALL PILING MATERIAL NOT USED SHALL BE SALVAGED
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS ENGINEERS
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
JACKET
PILE DETAILS
ACMR PLATFORM 2
EAST COAST U.S.A.
CODE IDENT NO 80091
NAVFAC DRAWING NO 3016302
SCALE NONE



EL. (+) 75'-0
TOP DECK
EL. (+) 60'-0
EQUIPMENT DECK
EL. (+) 45'-0
℄ PIPE
EL. (+) 21'-6
EL. (+) 16'-6
WP & PILE CUT-OFF
29'-0
W18 x 50
W18 x 50
W21 x 73
W18 x 27 (SOLAR SCREEN FRAME)
(TYP. IN PLANE OF BRACE)
ELEVATION A
ELEVATION
SOLAR PLATFORM
ELEVATION B
KEY PLAN



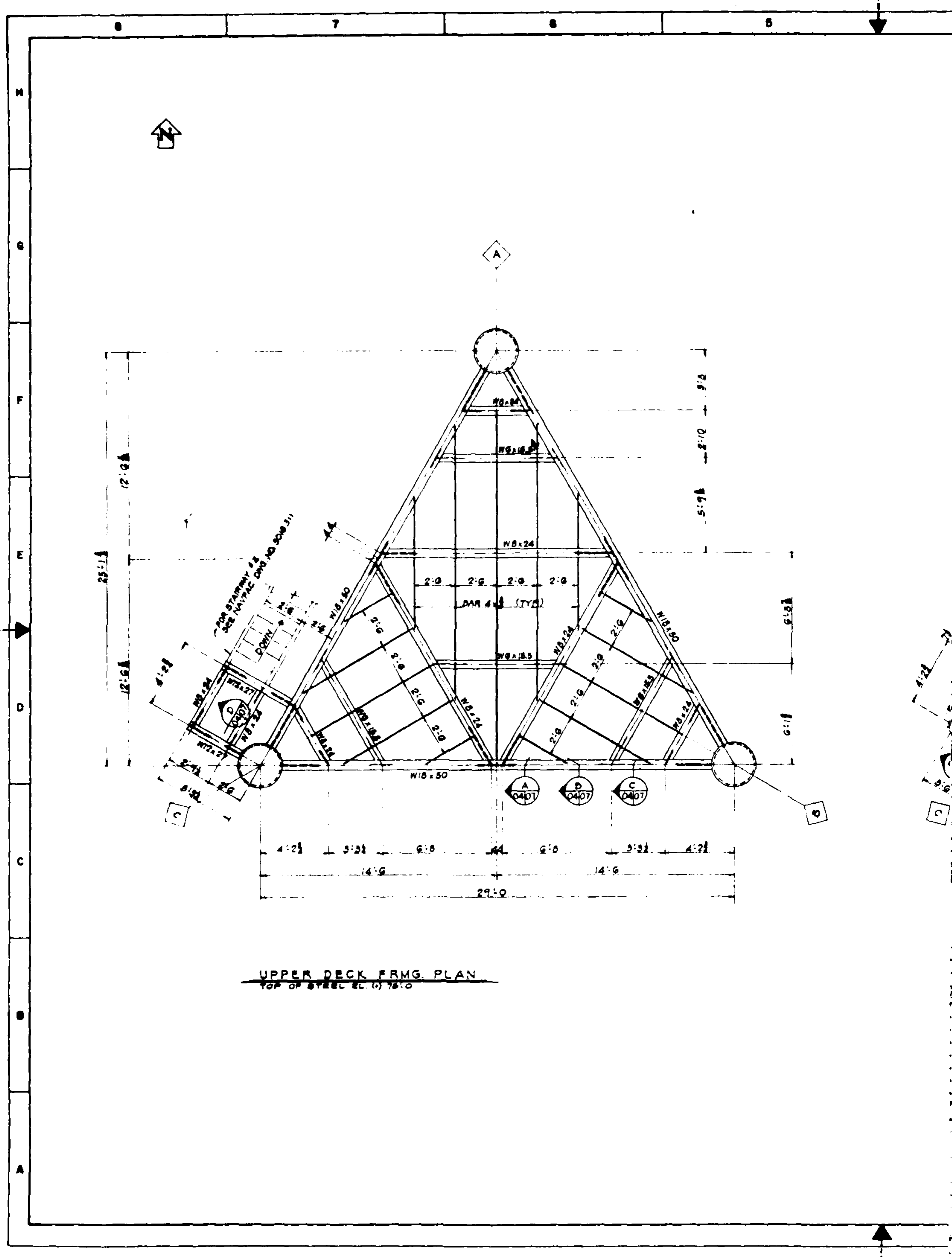
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

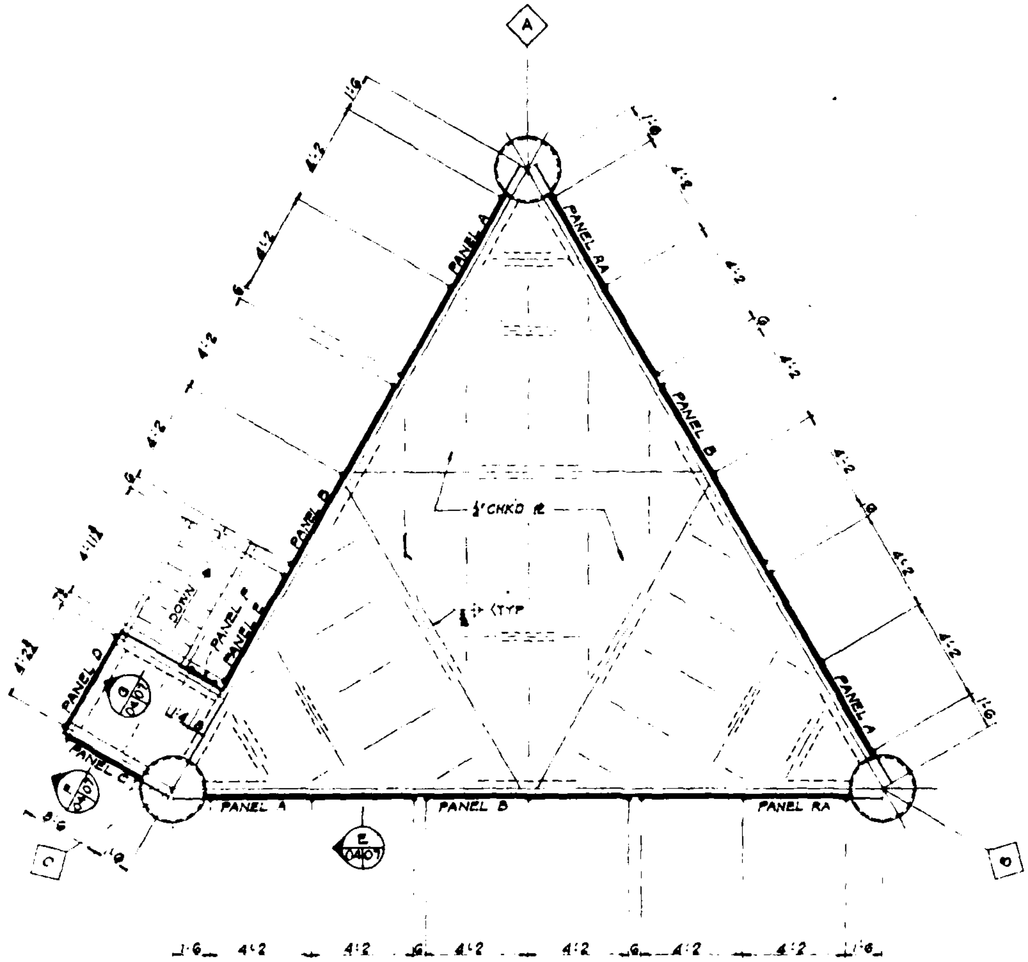
SUPERSTRUCTURE ELEVATIONS

ACMR PLATFORM 2 — EAST COAST, U.S.A.

SIZE F — CODE IDENT NO. 80091 — NAVFAC DRAWING NO. 3016303



UPPER DECK FRMG. PLAN
TOP OF STEEL EL. (+) 75'-0



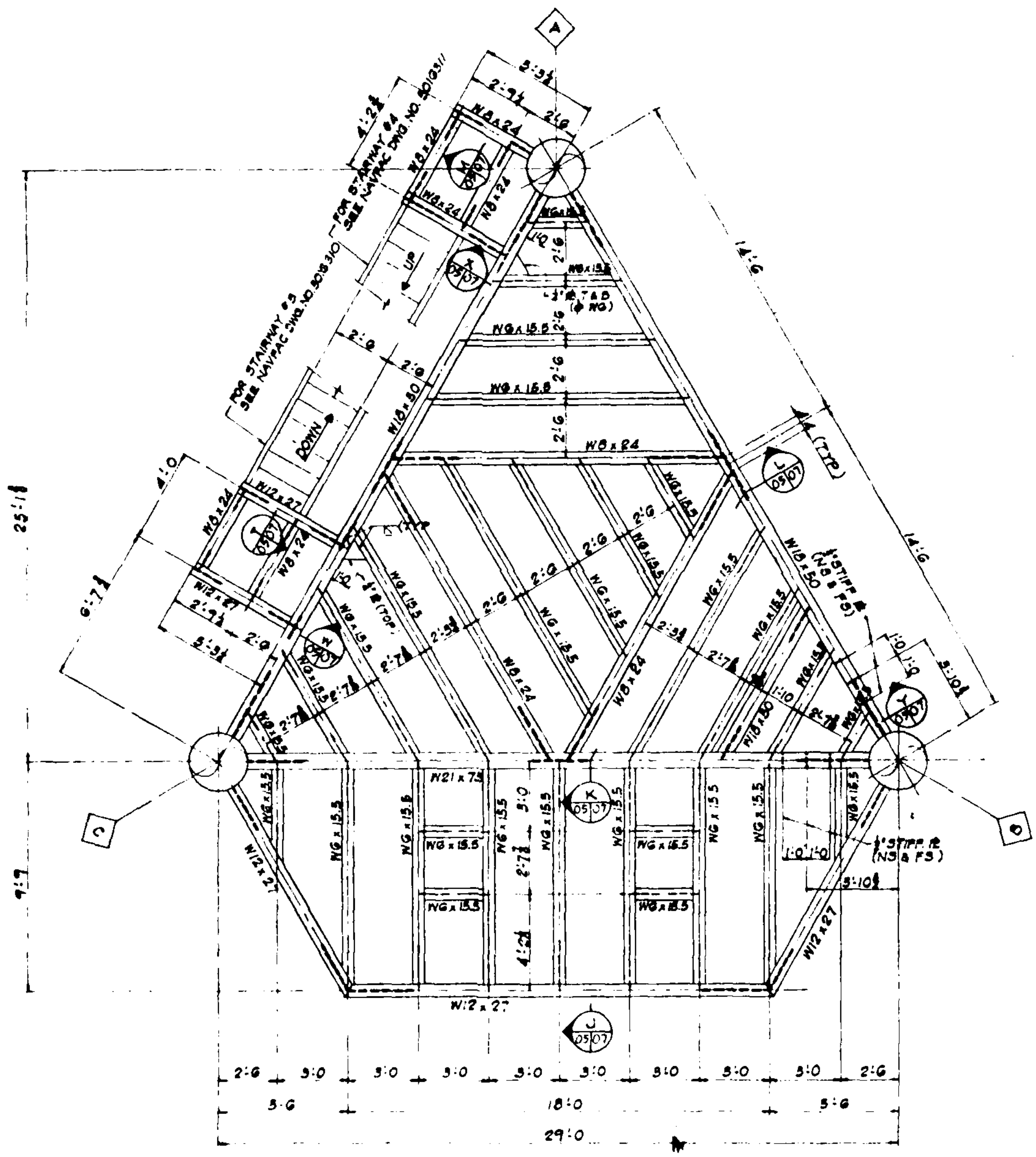
FOR HANDRAIL PANEL DETAILS SEE NAVFAC DWG. NO 3016307

UPPER DECK PLATE & H. R. LAYOUT

TOP OF STEEL EL. (+) 75'-0

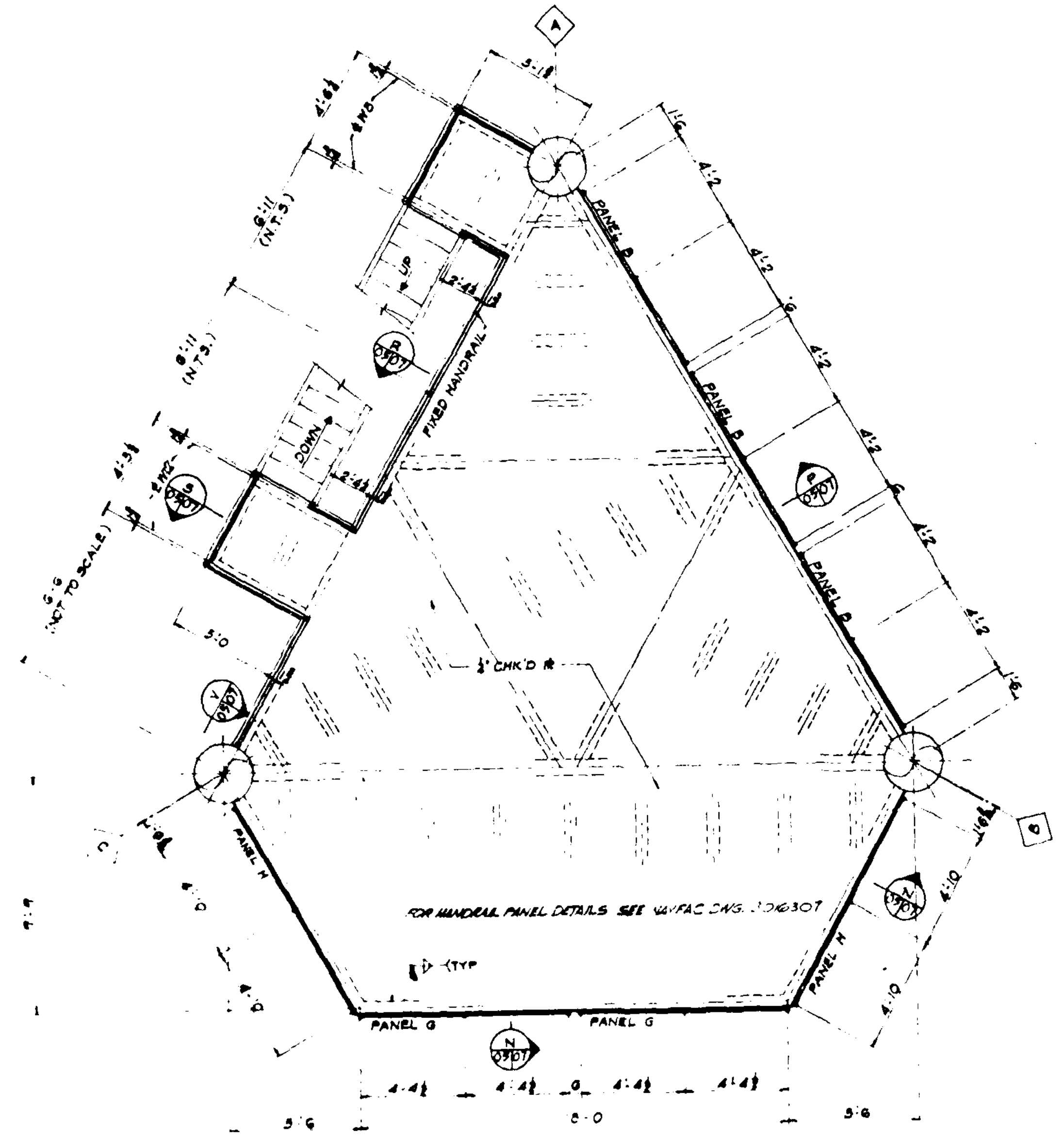
GRAPHIC SCALE

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D C
SUBMITTED BY DATE TITLE	SUPERSTRUCTURE UPPER DECK FRMG. & DECK PLATE & H. R. LAYOUT
OCEAN ENGR & CONST PROJ OFF FPO-1 EIC RVD DIR ENGR & DES DIV	PLATFORM 2 EAST COAST, U.S.A.
APPROVED HEAD FPO-1 DATE	SIZE F · CODE IDENT NO 80091 · NAVFAC DRAWING NO 3016304
APPROVED DATE EFD FOR COMMANDER, NAVFAC	SCALE 1/8"=1'-0 · SPEC. · SHEET OF



EQUIPMENT DECK FRMG. PLAN

TOP OF STEEL EL (+) 60'-0



EQUIPMENT DECK PLATE & H. R. LAYOUT

TOP OF STEEL EL (+) 80'-0

GRAPHIC SCALE

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
	SUPERSTRUCTURE EQUIPMENT DECK FRMG. & DECK PLATE & H. R. LAYOUT
	ACMR PLATFORM 2 — EAST COAST, U.S.A.
APPROVED	SIZE F — CODE IDENT NO 80091 — NAVFAC DRAWING NO 3016305
EFD FOR COMMANDER, NAVFAC	SCALE

SECTION 3.0

STRUCTURAL IDEALIZATION

3.1 INTRODUCTION

This section presents the mathematical structural model used for the analysis of the 93 feet MLW structure.

The structure is modeled as a space frame. Joint coordinates and member incidences are generated, as illustrated in Section 3.2, to obtain an efficient computer model. The model is then used in the SEALOAD program to generate the wave loads applied to the structure during the 50 year storm. Finally, the model is used in the STRAN program with the wave loadings produced by SEALOAD to analyze the structure for the 50 year storm.

To fully represent the jacket's structural behavior, dummy members are used to simulate the pile-jacket interaction. These members are modeled so that only shears perpendicular to the piling are transferred between the jacket and the piling.

The pile-soil interaction is considered in STRAN through the Coupled Interaction Analysis feature. This achieves convergence between the boundary conditions of the nonlinear pile foundation and the linear structure. The input data required for this feature is found in Section 3.5.

In STRAN the individual structural members of the mathematical model of the structure are not given distinct integers for identification. Each structural member is identified by the joint number at the beginning of the member and the joint number at the end of the

member. Therefore, Member 701-703 is that member of the model connecting Joint 701 to Joint 703. The member start is Joint 701 and the member end is Joint 703, and therefore, the local (member) x - axis is positive toward Joint 703.

Also in STRAN, member properties are designated through GROUPS. Each GROUP has a unique set of member properties, and each member of the model is assigned to a particular GROUP with the member incidence card. A list of the GROUP designations is found in Section 3.3. The member properties of each GROUP are listed in Section 3.7.

Reference Drawings:

3016290	Jacket - Elevations
3016291	Jacket - Plan at El. (+) 12'-0"
3016292	Jacket - Plan at El. (-) 13'-0" & (-) 39'-0"
3016293	Jacket - Plan at El. (-) 66'-0" & (-)93'-0"
3016303	Superstructure - Elevation
3016304	Superstructure - Upper Deck Framing
3016305	Superstructure - Equipment Deck Framing

CREST OFFSHORE, INC.

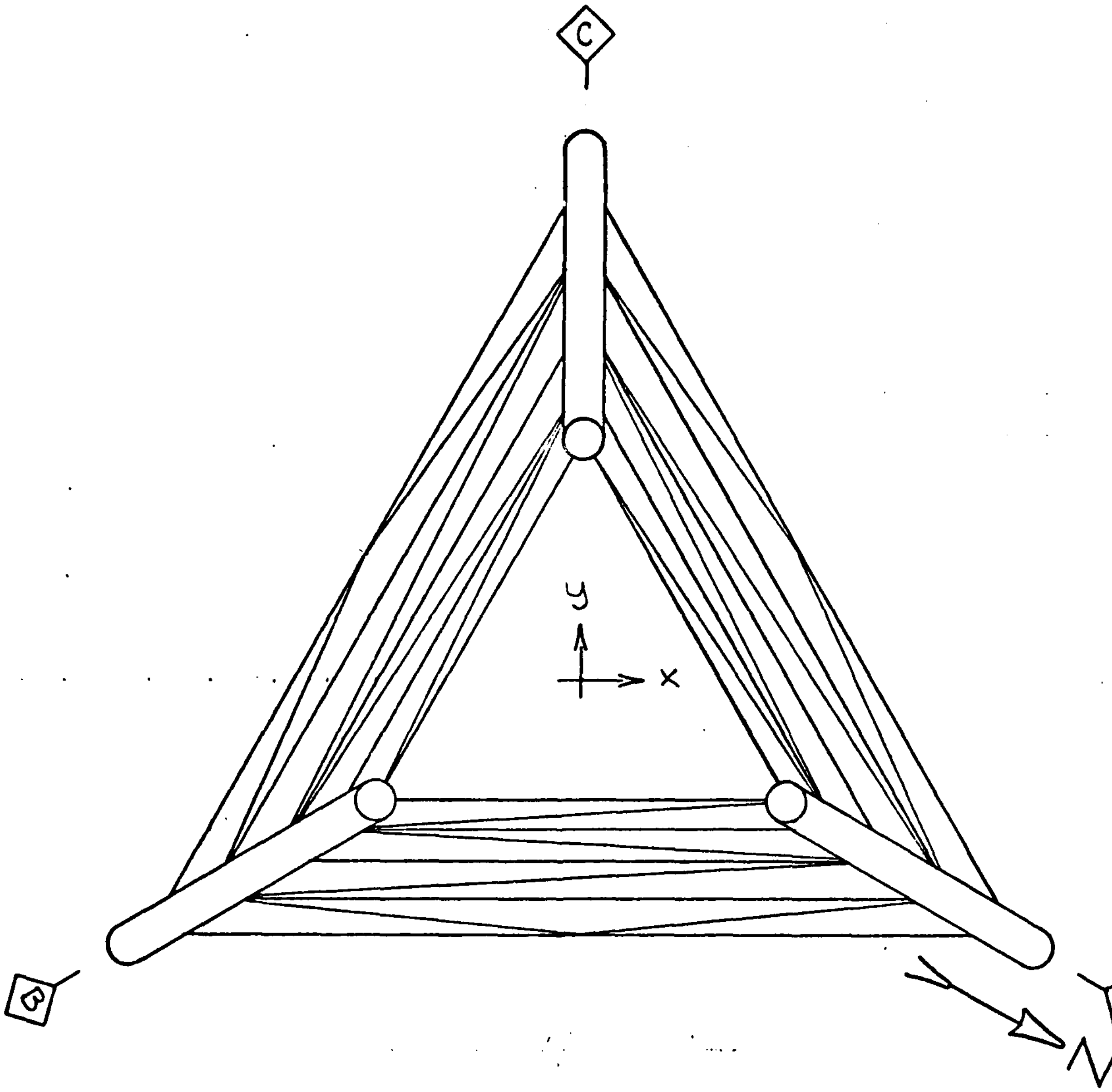
5.03

Sheet ___ of ___

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure

Date 6-30-76 Job No. 27-771-95 Calculation

3.2 Sketches - Plans and Elevations



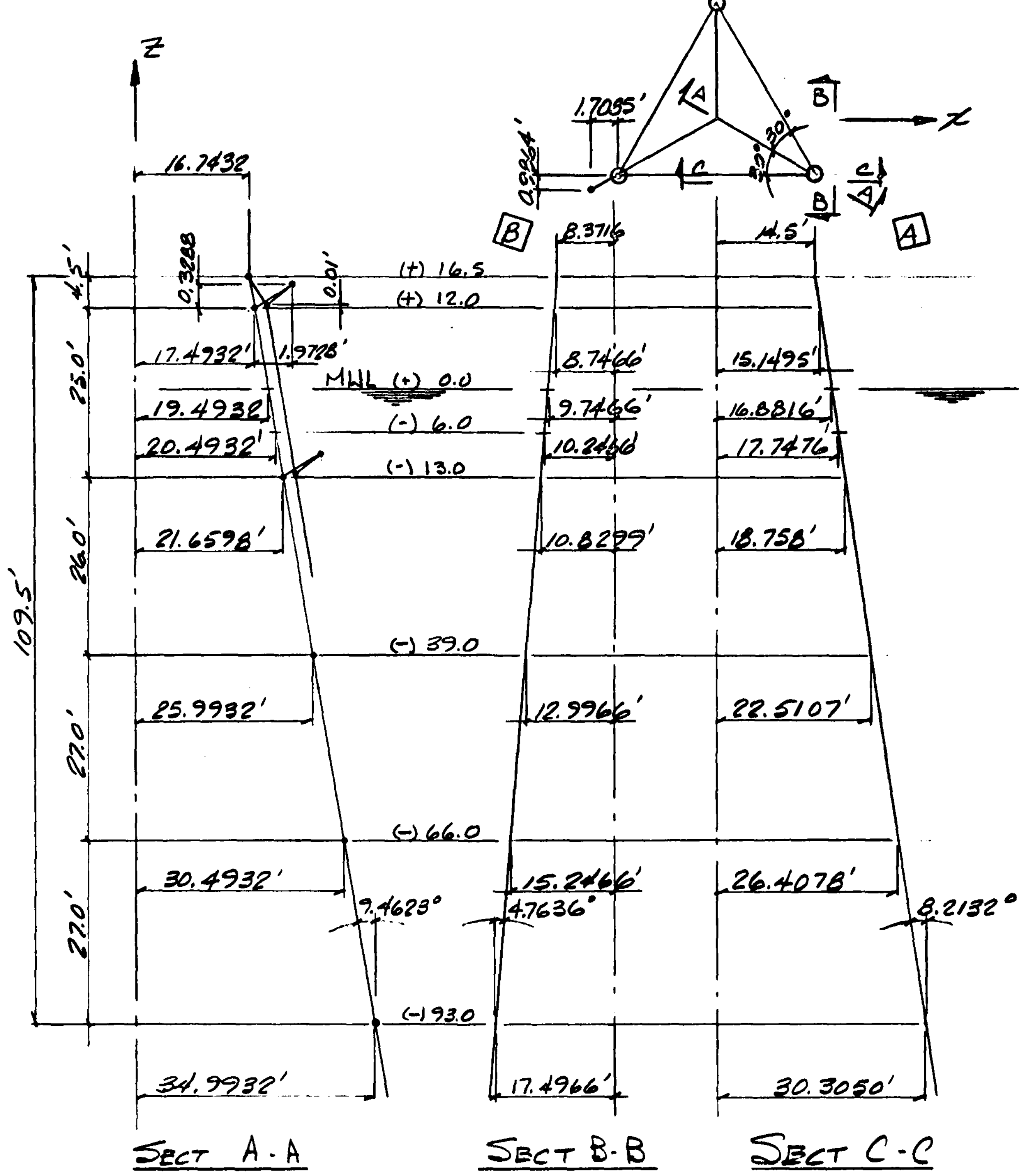
KEY PLAN

CREST OFFSHORE, INC.

Sheet 3.04 of

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-10-76 Job No. 27-771-95 Calculation



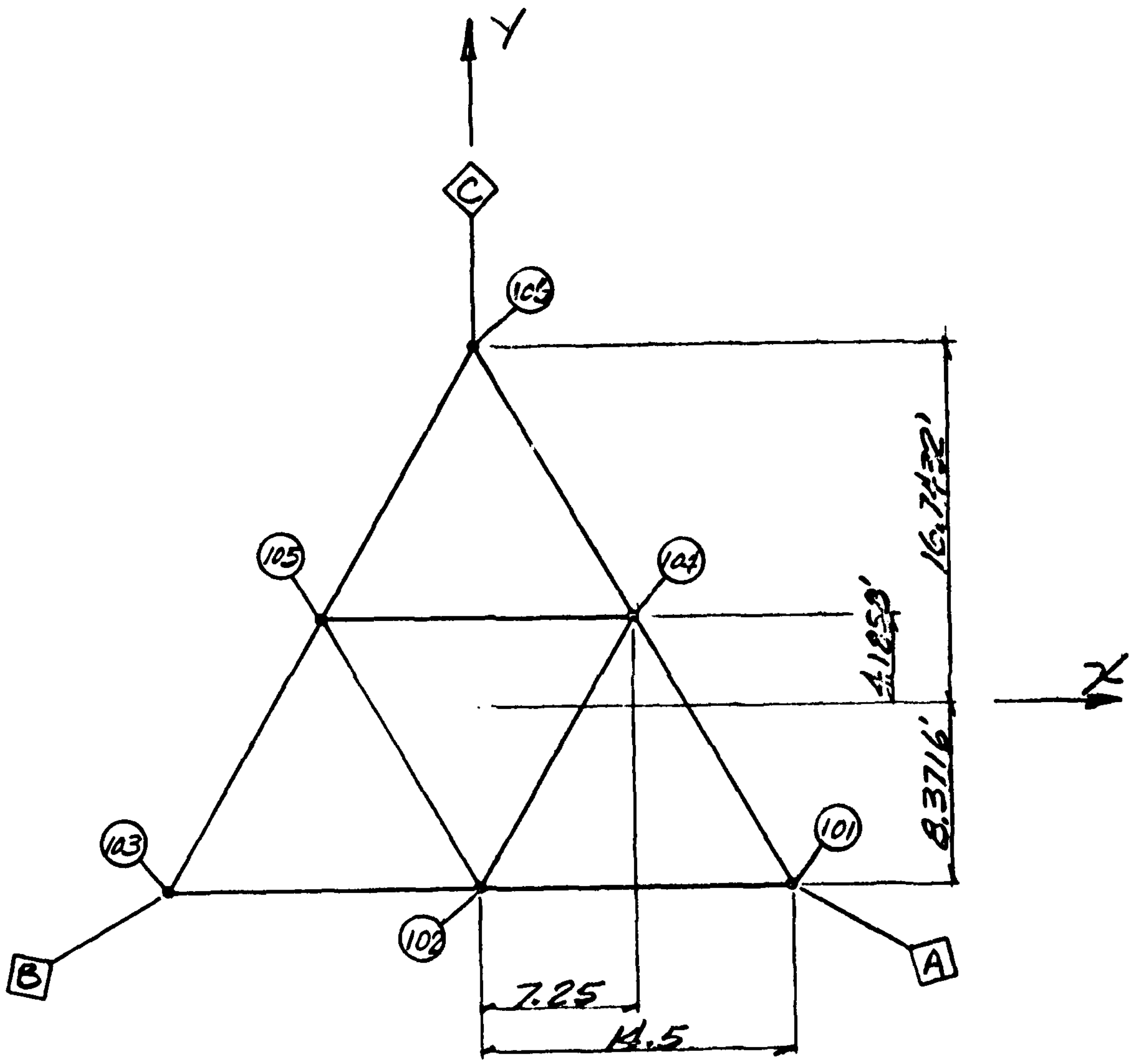
9.46232222°
4.76364169°
8.21321071°

CRESTOFFSHORE, INC.

Sheet ___ of ____

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

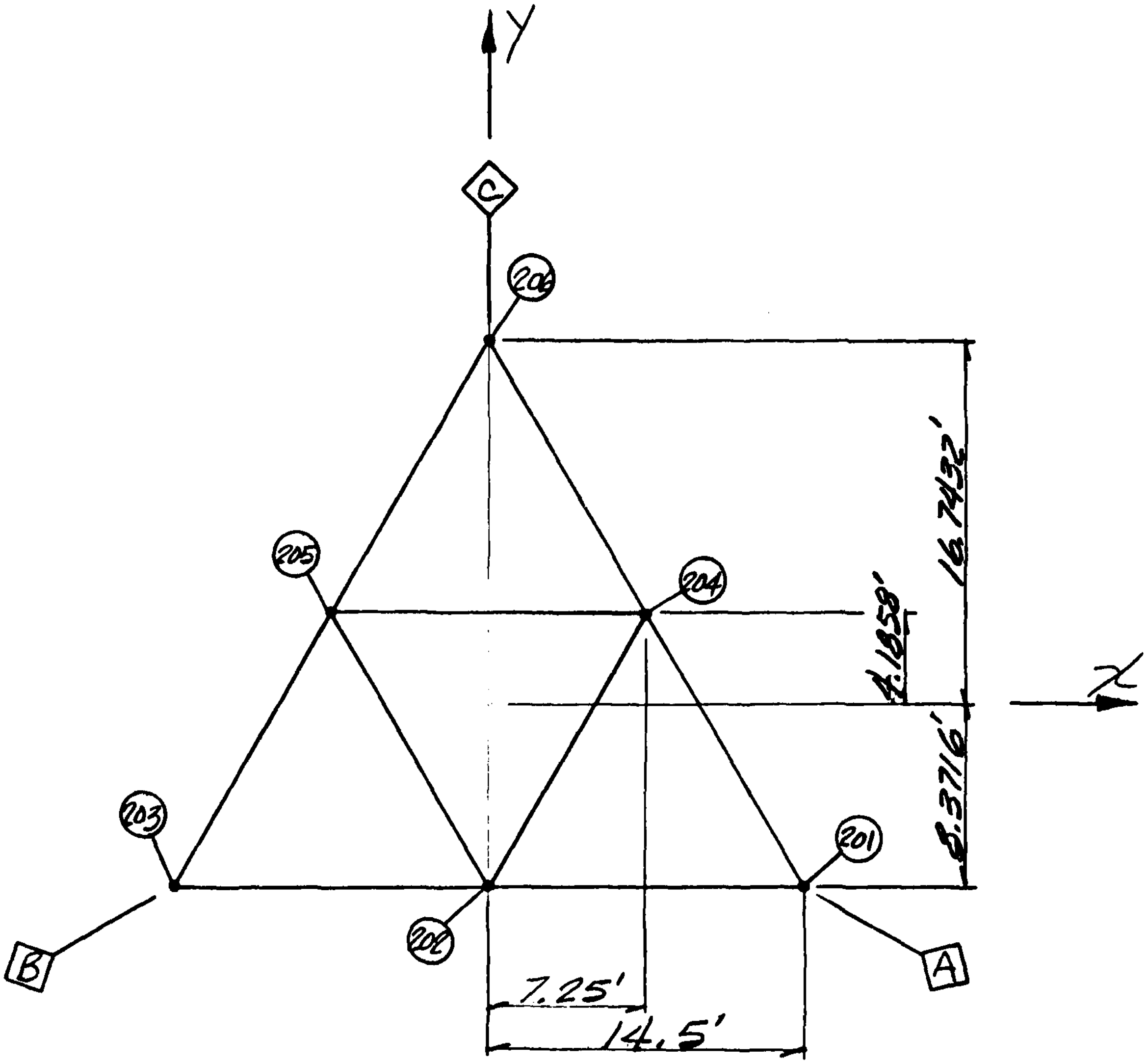
Date 6-29-76 Job No 22-721-95 Calculation



ELEV. (+) 75.0'

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 22-721-25 Calculation



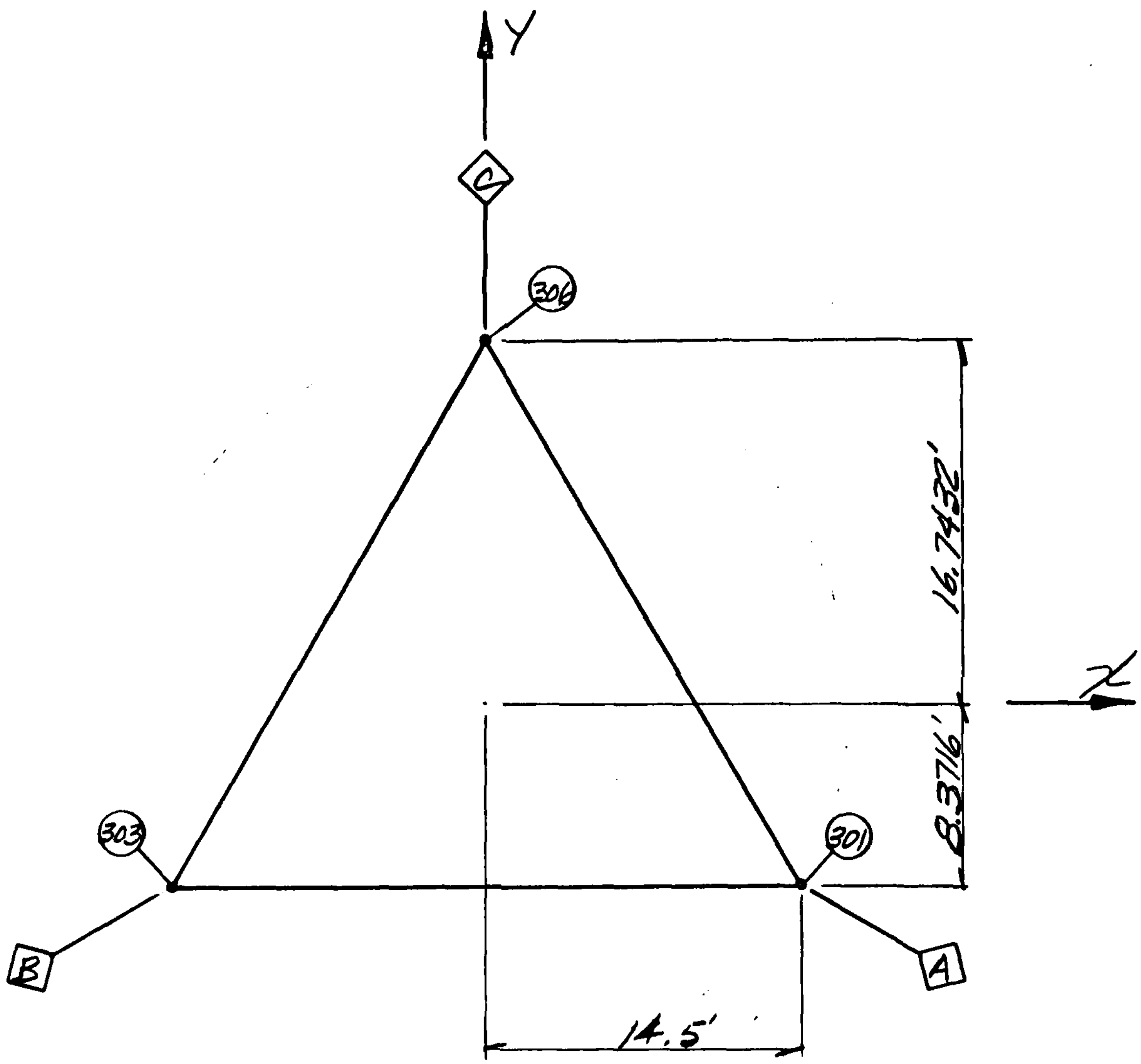
ELEV. (+) 60.0'

CREST OFFSHORE, INC.

Sheet 3.07 of

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-26 Job No. 27-721-95 Calculation



ELEV. (+) 45.0

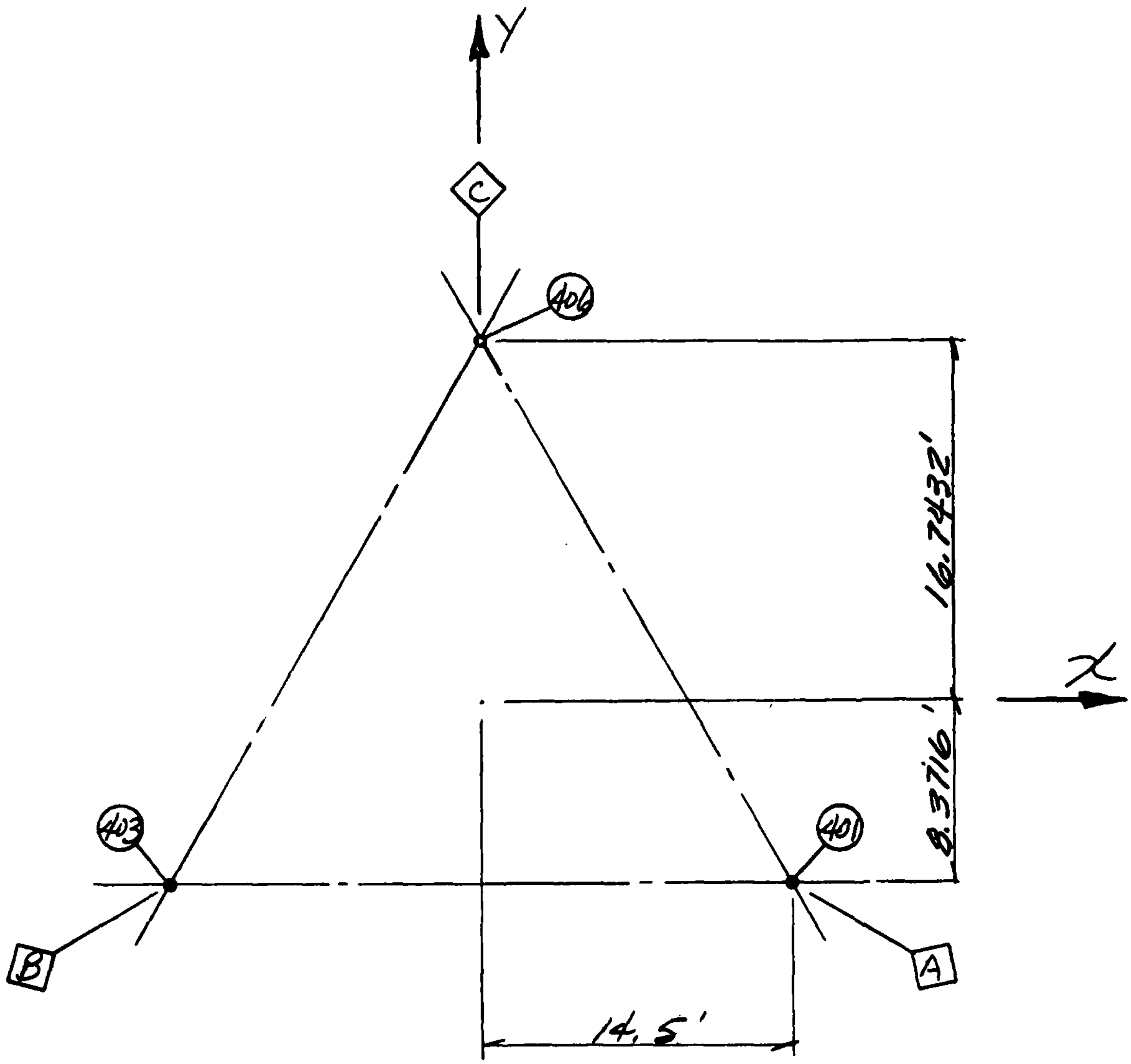
CREST OFFSHORE, INC.

3.08

Sheet ____ of ____

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 22-771-95 Calculation ____

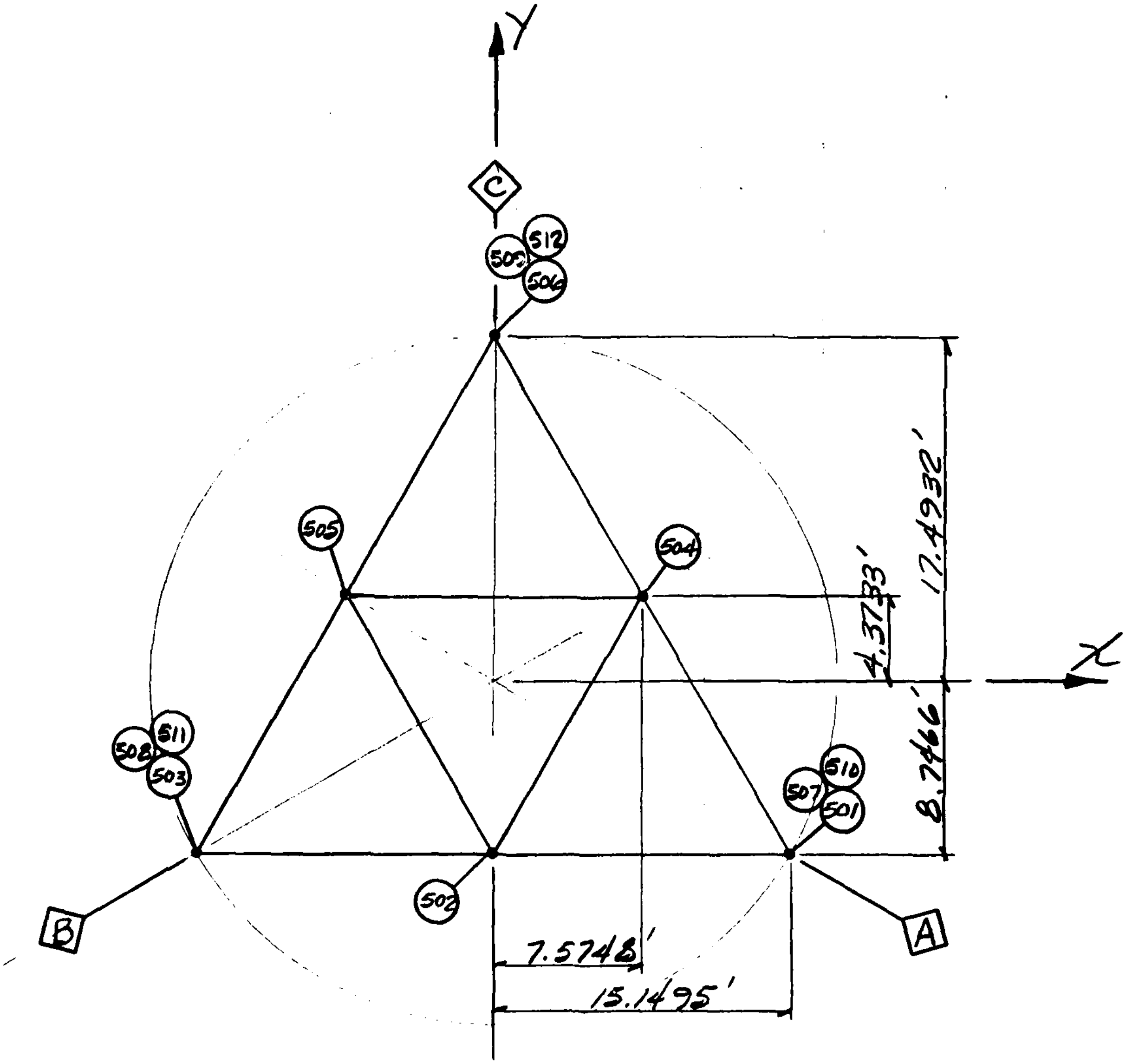


ELEV. (+) 16.5'

CREST OFFSHORE, INC.

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

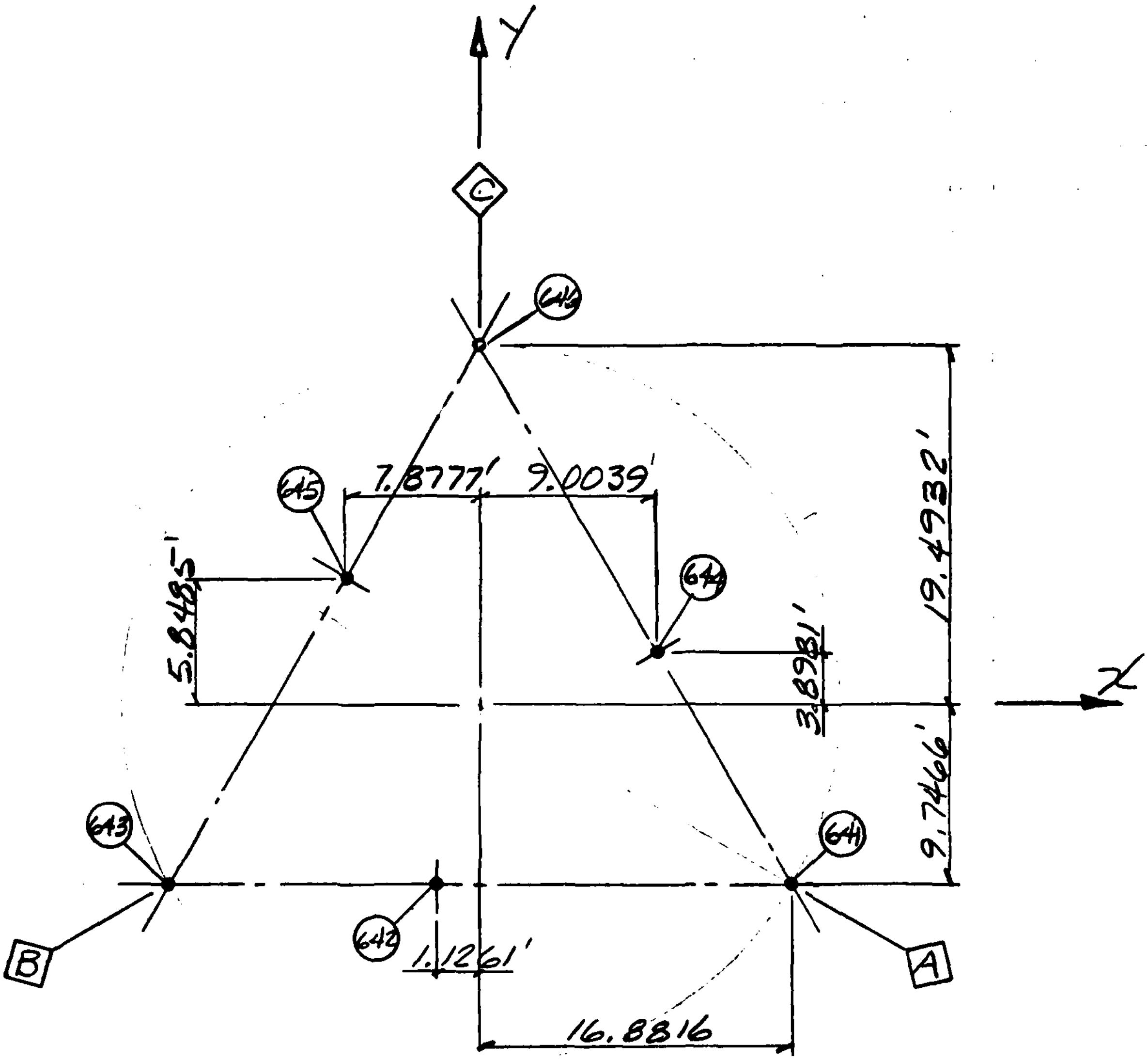
Date 6-29-76 Job No. 27-771-95 Calculation



ELEV. (+) 12.0'

By ______ Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

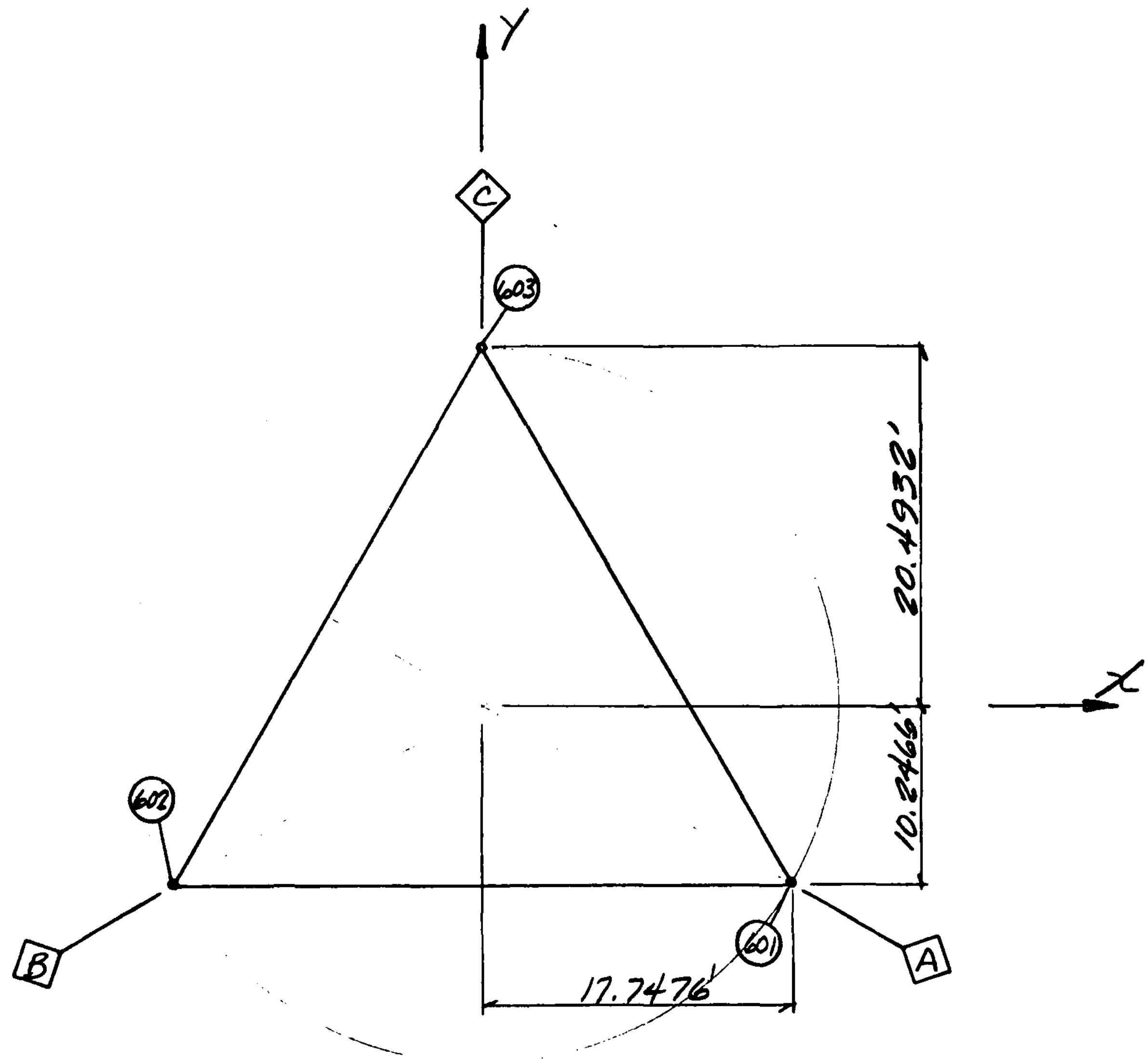
Date 6-29-76 Job No. 27-771-95 Calculation ______



ELEV. (+) 0.0' 'MLW'

CREST OFFSHORE, INC.

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 6-29-76 Job No. 27-771-95 Calculation

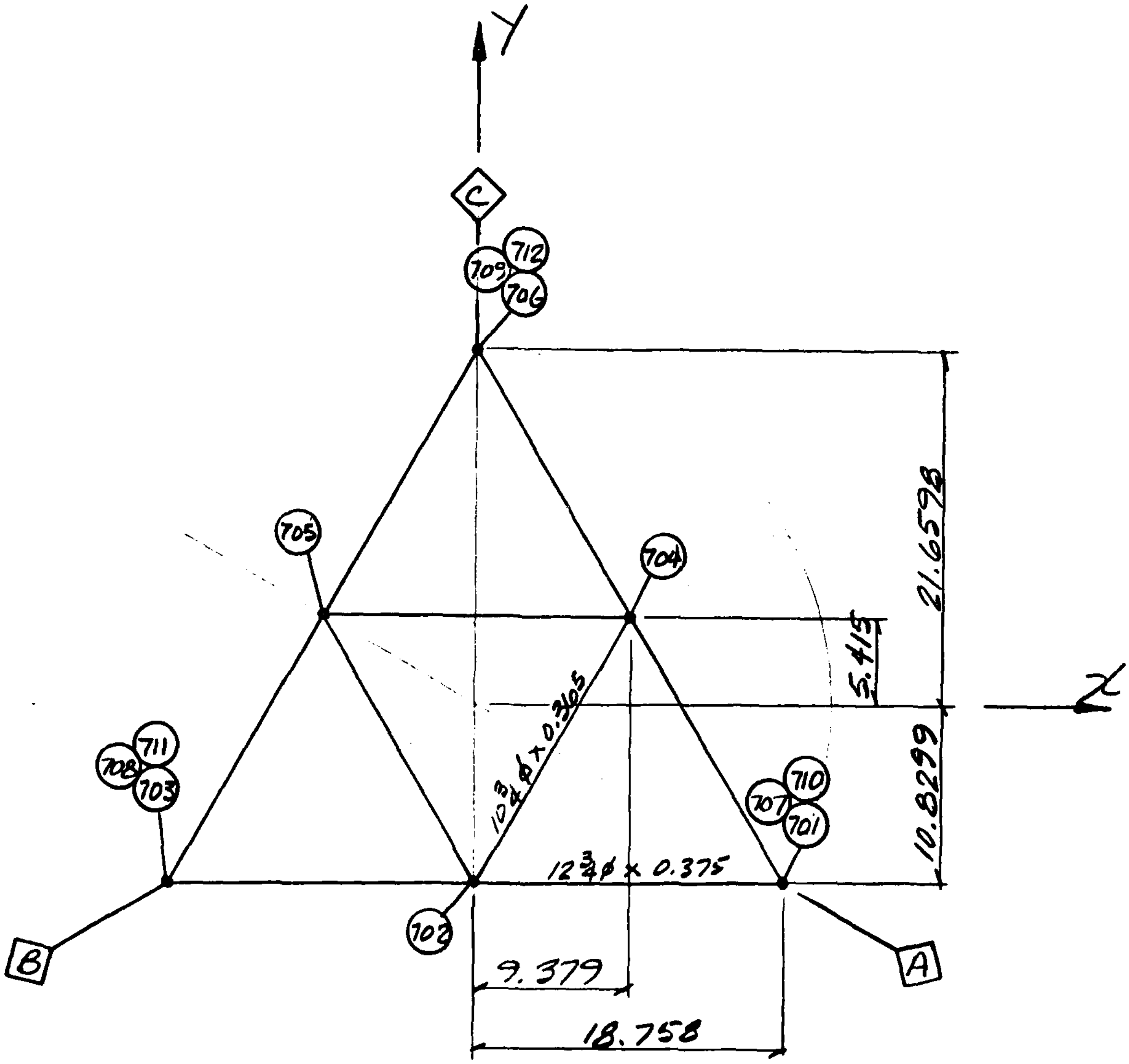


ELEV. (-) 6.0'

CREST OFFSHORE, INC.

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-771-95 Calculation



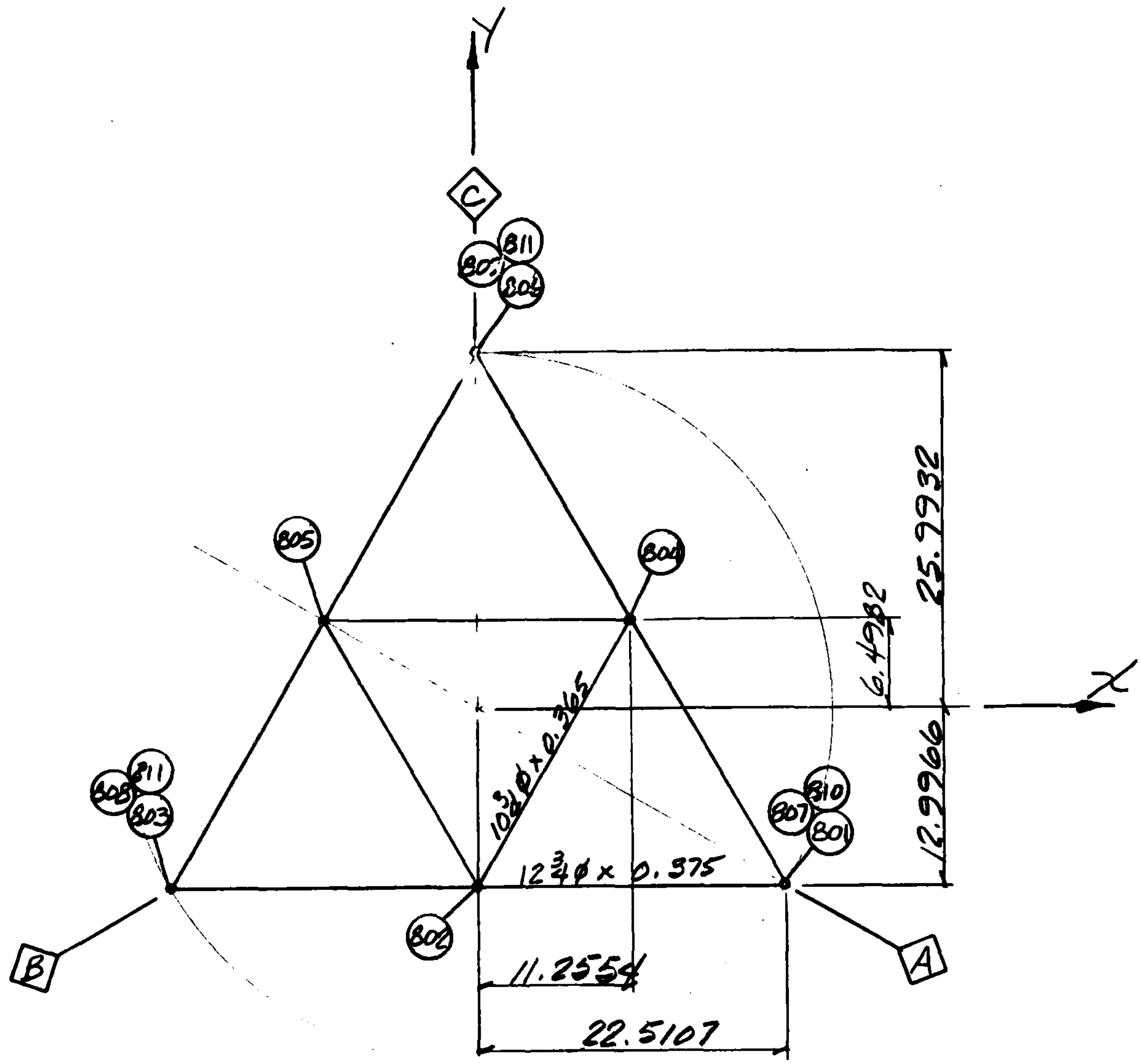
ELEV. (-) 13.0'

CREST OFFSHORE, INC.

Sheet 3.13 of

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLLW STRUCTURE

Date 6-29-76 Job No. 22-721-25 Calculation



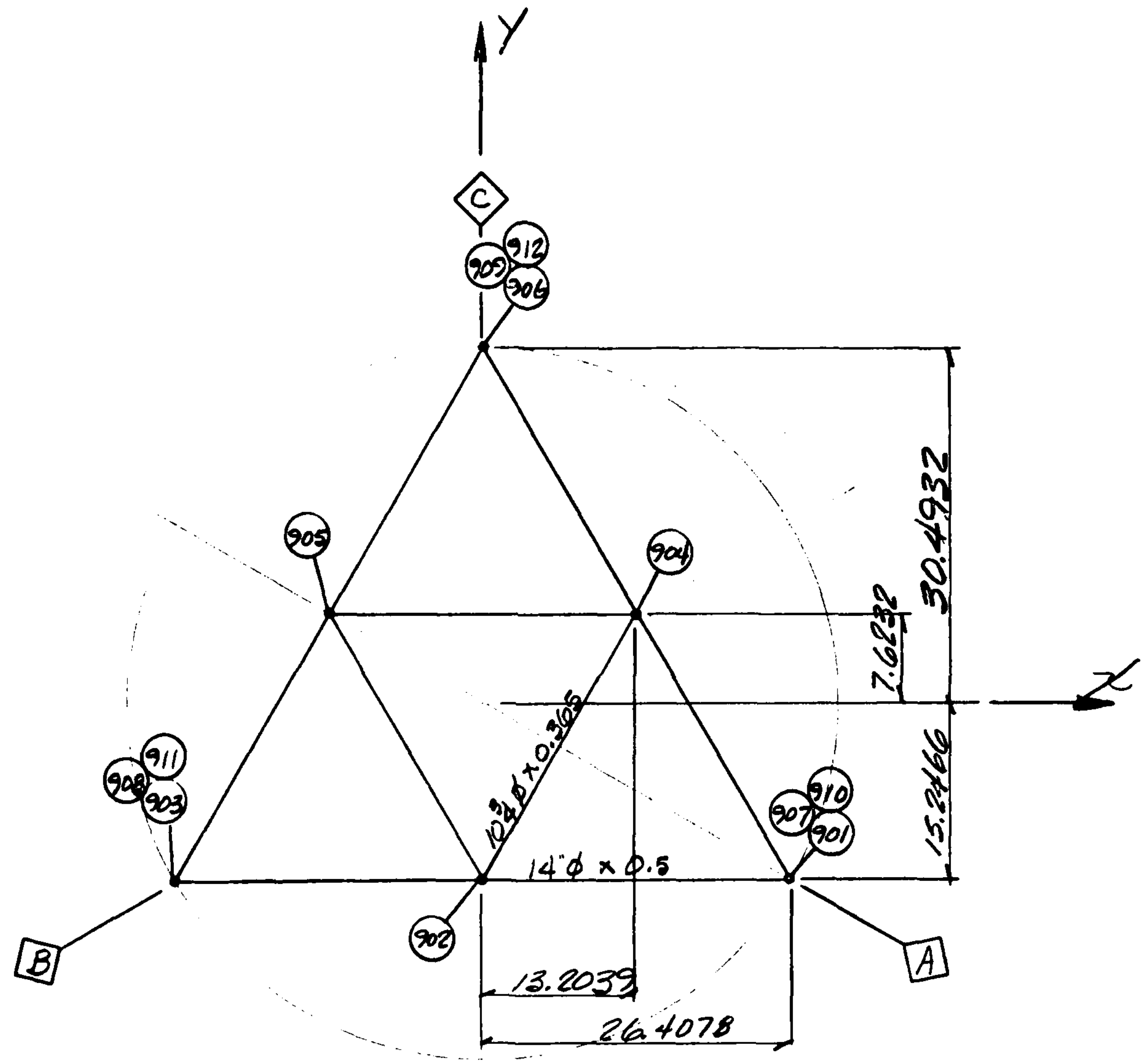
ELEV. (-) 39.0'

CREST OFFSHORE, INC.

Sheet ___ of ___

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-721-95 Calculation ___



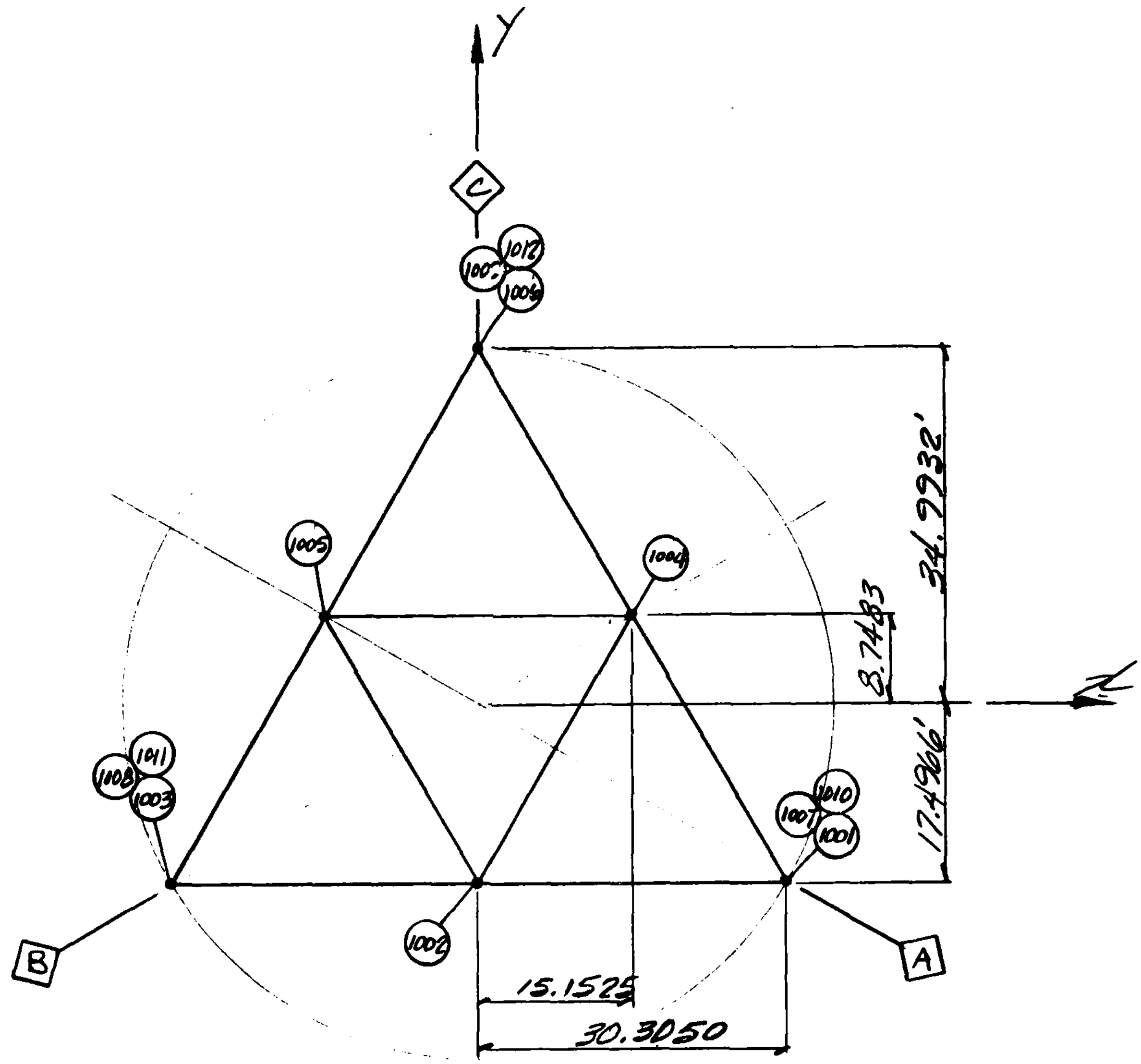
ELEV. (-) 66.0'

CREST OFFSHORE, INC.

Sheet 3.15 of

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 22-771-95 Calculation



ELEV. (−) 93.0'

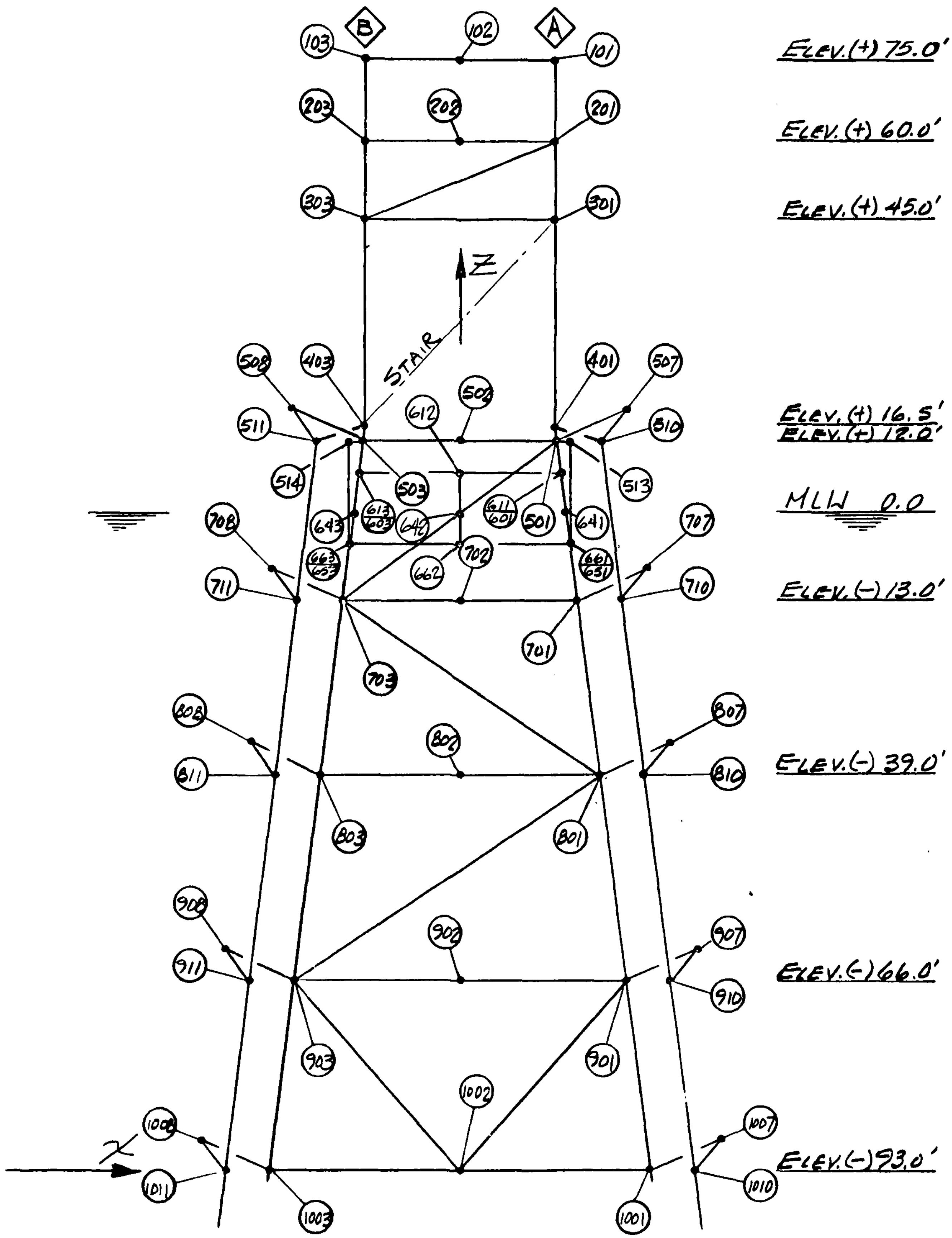
3.16

CREST OFFSHORE, INC.

Sheet ___ of ___

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-771-95 Calculation

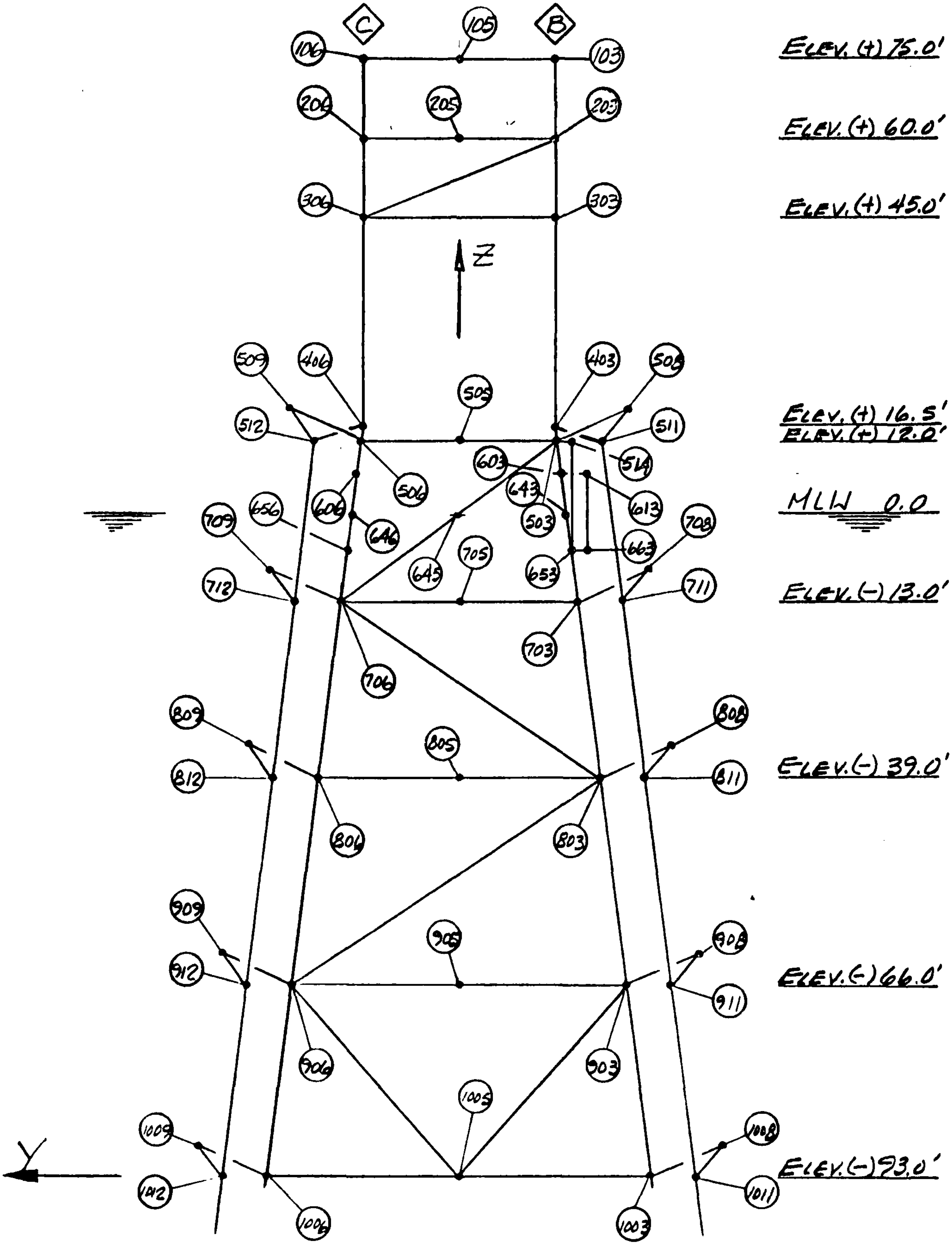


3.17

CREST OFFSHORE, INC.

Sheet ____ of ____

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 6-29-76 Job No. 27-771-95 Calculation



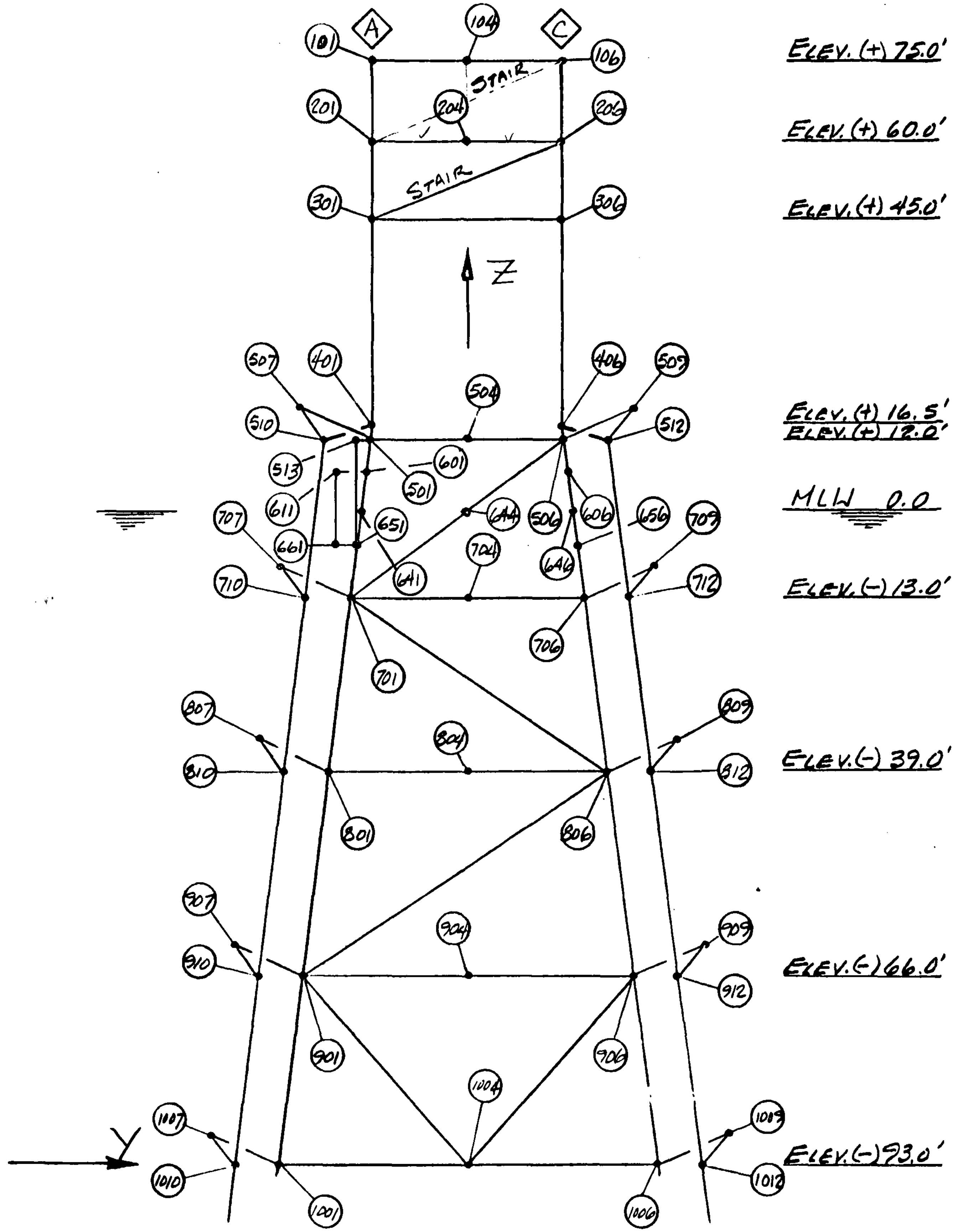
CREST OFFSHORE, INC.

18

Sheet ____ of ____

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 6-29-76 Job No. 27-771-95 Calculation



S T R A N   I N P U T   D A T A

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1  OPTIONS  6 7 8 9
   2  AMOD
   3  AMOD       6 1.33    7 1.33    8 1.33    9 1.33
   4  SECT
   5  SECT WISHBON    PPI   5000 3000000 3000000 3000000    1000          500
   6  SECT W16X50     WFC   1620        125   60200     4020    750  570  1600  358   50
   7  SECT W8X24      WFC    706         34    8250     1620    650  398   793  245   50
   8  SECT W6X15      WFC    456         11    3010      467    600  269   600  235   50
   9  SECT W21X73     WFC   2150        302  160000     7060    830 0740  2124 0455  064
  10  GROUP
  11  GROUP 096               462   500   29   116   36     100 100      5000
  12  GROUP 106              1075   544   29   116   36     100 100      5000
  13  GROUP 120              1275   500   29   116   36      80 100      5000
  14  GROUP 120              1275   750                      80 100      5000
  15  GROUP 123              1275   500   29   116   36      80  80      5000
  16  GROUP 125              1275   500   29   116   36      80  80      5000
  17  GROUP 127              1075   365                      60  80      5000
  18  GROUP 137              1275   375                     160  60      5000
  19  GROUP 146              1075   365                      80  80      5000
  20  GROUP 149              1075   365                      80  80      5000
  21  GROUP 140              1400   375   29   116   36      80  80      5000
  22  GROUP 150              1400   625                      80  80      5000
  23  GROUP 155              1400   625                      80 100      5000
  24  GROUP 160              1275   375                     160  60      5000
  25  GROUP 159              1400   500                     160  60      5000
  26  GROUP 200              2000   625   29   116   36      80  80      5000
  27  GROUP 200              2000   625   29   116   36     160  60      5000
  28  GROUP DAL              3000  1000   29   116   36     100 100      5000
  29  GROUP  P1              4200  1750   29   116   36     100 100      5000
  30  GROUP  P2              4200  2000   29   116   36     100 100      5000
  31  GROUP  P3              4200  2375                     100 100      5000
  32  GROUP JL4              4650  1000                      80 100      5000
  33  GROUP JL5              4550  1000                      80 100      5000
  34  GROUP JL5              4650  1000                      60 100      5000
  35  GROUP JL7              4550   500                      80 100      5000
  36  GROUP JL9              4550   500                      80 100      5000
  37  GROUP JL9              4550   500                      80 100      5000
  38  GROUP DRM              1800   500   29   116   36     100 100      5000
  39  GROUP ANG WISHBON                   29   116   36
  40  GROUP W16 W16X50                    29   116   36     200  50   01
  41  GROUP W08 W8X24                     29   116   36     100 100   01
  42  GROUP W21 W21X73                    29   116   36     200  50   01
  43  MEMBER
  44  MEMBER  101 102 W18                                                 1800
  45  MEMBER  102 103 W18                                                 1800
  46  MEMBER  103 105 W18                                                 1800
  47  MEMBER  105 106 W18                                                 1800
  48  MEMBER  101 104 W18                                                 1800
  49  MEMBER  104 106 W18                                                 1800
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3.19

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   50  MEMBER  102 104 W08                                                  0800
   51  MEMBER  102 105 W08                                                  0800
   52  MEMBER  104 105 W08                                                  0800
   53  MEMBER  104 201 120SK    111   111                                   2400
   54  MEMBER  201 202 W18                                                  1600
   55  MEMBER  202 203 W18                                                  1600
   56  MEMBER  203 205 W21                                                  2100
   57  MEMBER  205 206 W21                                                  2100
   58  MEMBER  201 204 W18                                                  1800
   59  MEMBER  204 206 W18                                                  1800
   60  MEMBER  202 204 W08                                                  0800
   61  MEMBER  202 205 W08                                                  0800
   62  MEMBER  204 205 W08                                                  0800
   63  MEMBER  201 303 120                                                  4300
   64  MEMBER  203 306 120                                                  4300
   65  MEMBER  206 301 120                                                  4300
   66  MEMBER  301 403 120SK    111   111                                   2400
   67  MEMBER  301 303 125                                                  2100
   68  MEMBER  303 306 123                                                  2100
   69  MEMBER  301 306 123                                                  2100
   70  MEMBER  501 502 165                                                  1600
   71  MEMBER  502 503 165                                                  1600
   72  MEMBER  503 505 165                                                  1600
   73  MEMBER  505 506 165                                                  1600
   74  MEMBER  501 504 165                                                  1600
   75  MEMBER  504 506 165                                                  1600
   76  MEMBER  502 504 125                                                  1275
   77  MEMBER  502 505 125                                                  1275
   78  MEMBER  504 505 125                                                  1275
   79  MEMBER  501 507 W08SK                                                0000
   80  MEMBER  507 510 W08SK       1111                                     0000
   81  MEMBER  503 508 W08SK                                                0000
   82  MEMBER  508 511 W08SK       1111                                     0000
   83  MEMBER  505 509 W08SK                                                0000
   84  MEMBER  509 512 W08SK       1111                                     0000
   85  MEMBER  501 513 125SK                                                1200
   86  MEMBER  503 514 125SK                                                1200
   87  MEMBER  513 651 H0MSK                                                4000
   88  MEMBER  514 653 H0MSK                                                4000
   89  MEMBER  601 611 106SK                                                1400
   90  MEMBER  603 613 106SK                                                1400
   91  MEMBER  651 661 106SK
   92  MEMBER  653 663 106SK
   93  MEMBER  611 612 086SK                                                1200
   94  MEMBER  612 613 086SK                                                1200
   95  MEMBER  661 662 086SK                                                2680
   96  MEMBER  662 663 086SK                                                2680
   97  MEMBER  611 661 106SK                                                3000
   98  MEMBER  612 662 106SK                                                2000
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3.20

3.21

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     99  MEMBER  613 663 106SK                                             3000
    100  MEMBER  501 642 200                                               2000
    101  MEMBER  503 645 200                                               2000
    102  MEMBER  506 644 200                                               2000
    103  MEMBER  642 703 200                                               3032
    104  MEMBER  645 706 200                                               3032
    105  MEMBER  644 701 200                                               3032
    106  MEMBER  701 702 137                                               2033
    107  MEMBER  702 703 137                                               2033
    108  MEMBER  703 705 137                                               2033
    109  MEMBER  705 706 137                                               2033
    110  MEMBER  701 704 137                                               2033
    111  MEMBER  704 706 137                                               2033
    112  MEMBER  702 704 127                                               1757
    113  MEMBER  702 705 127                                               1757
    114  MEMBER  704 705 127                                               1757
    115  MEMBER  701 707 WBNSK                                             0000
    116  MEMBER  707 710 WBNSK          1111                               0000
    117  MEMBER  703 708 WBNSK                                             0000
    118  MEMBER  708 711 WBNSK          1111                               0000
    119  MEMBER  706 709 WBNSK                                             0000
    120  MEMBER  709 712 WBNSK          1111                               0000
    121  MEMBER  701 806 200                                               3032
    122  MEMBER  703 801 200                                               3032
    123  MEMBER  706 803 200                                               3032
    124  MEMBER  801 802 168                                               2033
    125  MEMBER  802 803 168                                               2033
    126  MEMBER  803 805 168                                               2033
    127  MEMBER  805 806 168                                               2033
    128  MEMBER  801 804 168                                               2033
    129  MEMBER  804 806 168                                               2033
    130  MEMBER  802 804 148                                               1757
    131  MEMBER  802 805 148                                               1757
    132  MEMBER  804 805 148                                               1757
    133  MEMBER  801 807 WBNSK                                             0000
    134  MEMBER  807 810 WBNSK          1111                               0000
    135  MEMBER  803 808 WBNSK                                             0000
    136  MEMBER  808 811 WBNSK          1111                               0000
    137  MEMBER  806 809 WBNSK                                             0000
    138  MEMBER  809 812 WBNSK          1111                               0000
    139  MEMBER  801 903 200                                               3032
    140  MEMBER  803 906 200                                               3032
    141  MEMBER  806 901 200                                               3032
    142  MEMBER  901 902 169                                               2205
    143  MEMBER  902 903 169                                               2205
    144  MEMBER  903 905 169                                               2205
    145  MEMBER  905 906 169                                               2205
    146  MEMBER  901 904 169                                               2205
    147  MEMBER  904 906 169                                               2205
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   148  MEMBER   902 904 149                                                     1757
   149  MEMBER   902 905 149                                                     1757
   150  MEMBER   904 905 149                                                     1757
   151  MEMBER   901 907 WBNSK                                                   0000
   152  MEMBER   907 910 WBNSK         1111                                      0000
   153  MEMBER   903 908 WBNSK                                                   0000
   154  MEMBER   908 911 WBNSK         1111                                      0000
   155  MEMBER   906 909 WBNSK                                                   0000
   156  MEMBER   909 912 WBNSK         1111                                      0000
   157  MEMBER   9011002 160                                                     2481
   158  MEMBER   9031002 160                                                     2481
   159  MEMBER   9031005 160                                                     2481
   160  MEMBER   9061005 160                                                     2481
   161  MEMBER   9011004 160                                                     2481
   162  MEMBER   9061004 160                                                     2481
   163  MEMBER  10011002 200                                                     3032
   164  MEMBER  10021003 200                                                     3032
   165  MEMBER  10031005 200                                                     3032
   166  MEMBER  10051006 200                                                     3032
   167  MEMBER  10011004 200                                                     3032
   168  MEMBER  10041006 200                                                     3032
   169  MEMBER  10021004 140                                                     2205
   170  MEMBER  10021005 140                                                     2205
   171  MEMBER  10041005 140                                                     2205
   172  MEMBER  10011007 WBNSK                                                   0000
   173  MEMBER  10071010 WBNSK         1111                                      0000
   174  MEMBER  10031008 WBNSK                                                   0000
   175  MEMBER  10081011 WBNSK         1111                                      0000
   176  MEMBER  10061009 WBNSK                                                   0000
   177  MEMBER  10091012 WBNSK         1111                                      0000
   178  MEMBER   101 201 DKL
   179  MEMBER   103 203 DKL
   180  MEMBER   106 206 DKL                                                     3000
   181  MEMBER   201 301 DKL                                                     3000
   182  MEMBER   203 303 DKL                                                     3000
   183  MEMBER   206 306 DKL                                                     3000
   184  MEMBER   301 401 DKL                                                     3000
   185  MEMBER   303 403 DKL                                                     3000
   186  MEMBER   306 406 DKL                                                     3000
   187  MEMBER   401 501 JL4                                                  F  4750
   188  MEMBER   403 503 JL4                                                  F  4750
   189  MEMBER   406 506 JL4                                                  F  4750
   190  MEMBER   501 601  L5                                                  F  4750
   191  MEMBER   503 603 JL5                                                  F  4750
   192  MEMBER   506 606 JL5                                                  F  4750
   193  MEMBER   601 641 JL6                                                  F  4750
   194  MEMBER   603 643 JL6                                                  F  4750
   195  MEMBER   606 646 JL6                                                  F  4750
   196  MEMBER   641 651 JL6                                                  F  6823
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3.22

S T R A N   I N P U T   D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   197  MEMBER  643 653 JL6                                              F  6823
   198  MEMBER  646 656 JL6                                              F  6823
   199  MEMBER  651 701 JL6                                              F  6823
   200  MEMBER  653 703 JL6                                              F  6823
   201  MEMBER  656 706 JL6                                              F  6823
   202  MEMBER  701 801 JL7                                              F  6547
   203  MEMBER  703 803 JL7                                              F  6547
   204  MEMBER  706 806 JL7                                              F  6547
   205  MEMBER  801 901 JL8                                              F  6547
   206  MEMBER  803 903 JL8                                              F  6547
   207  MEMBER  806 906 JL8                                              F  6547
   208  MEMBER  9011001 JL9                                              F  6547
   209  MEMBER  9031003 JL9                                              F  6547
   210  MEMBER  9061006 JL9                                              F  6547
   211  MEMBER  401 510  P1                                              F  0000 1
   212  MEMBER  403 511  P1                                              F  0000 2
   213  MEMBER  406 512  P1                                              F  0000 3
   214  MEMBER  510 710  P1                                              F  0000 1
   215  MEMBER  511 711  P1                                              F  0000 2
   216  MEMBER  512 712  P1                                              F  0000 3
   217  MEMBER  710 810  P2                                              F  0000 1
   218  MEMBER  711 811  P2                                              F  0000 2
   219  MEMBER  712 812  P2                                              F  0000 3
   220  MEMBER  810 910  P2                                              F  0000 1
   221  MEMBER  811 911  P2                                              F  0000 2
   222  MEMBER  812 912  P2                                              F  0000 3
   223  MEMBER  9101010  P3                                              F  0000 1
   224  MEMBER  9111011  P3                                              F  0000 2
   225  MEMBER  9121012  P3                                              F  0000 3
   226  FOUND
   227  CVRG      4        0.05      0.05     0.005
   228  PILE  1010        200.0      29.0      11.6
   229  PROP               42.0      42.0     2.375      20.0
   230  PROP               42.0      42.0      1.75      70.0
   231  PROP               42.0      42.0       1.5     120.0
   232  PROP               42.0      42.0       1.5     200.0
   233  PY        2         0.0
   234  FORCE               0.0       0.0
   235  DEFL                0.0      20.0
   236  PY        2         5.0
   237  FORCE               0.0       0.0
   238  DEFL                0.0      20.0
   239  PY        8         8.0
   240  FORCE               0.0     0.107     0.129     0.153     0.169     0.188
   241  FORCE             0.237     0.237
   242  DEFL                0.0     0.049      0.12      0.27      0.43      0.70
   243  DEFL               1.58      20.0
   244  PY        8        14.0
   245  FORCE               0.0     0.[illegible]66     0.611     0.906     1.136     1.440
```

3.23

S T R A N   I N P U T   D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

246	FORCE		2.274	2.274				
247	DEFL		0.0	0.036	0.11	0.26	0.42	0.70
248	DEFL		1.58	20.0				
249	PY	8	24.0					
250	FORCE		0.0	1.204	1.681	2.347	2.896	3.644
251	FORCE		5.830	5.830				
252	DEFL		0.0	0.069	0.14	0.28	0.43	0.70
253	DEFL		1.58	20.0				
254	PY	6	33.0					
255	FORCE		0.0	2.789	3.444	4.456	5.337	6.572
256	FORCE		10.515	10.515				
257	DEFL		0.0	0.12	0.18	0.31	0.45	0.70
258	DEFL		1.58	20.0				
259	PY	7	33.08					
260	FORCE		0.0	1.354	1.838	2.494	3.384	4.594
261	FORCE		4.594					
262	DEFL		0.0	0.064	0.16	0.40	1.01	2.52
263	DEFL		20.0					
264	PY	7	45.0					
265	FORCE		0.0	2.321	3.150	4.275	5.802	7.875
266	FORCE		7.875					
267	DEFL		0.0	0.064	0.16	0.40	1.01	2.52
268	DEFL		20.0					
269	PY	8	45.08					
270	FORCE		0.0	2.532	3.433	4.719	5.791	7.259
271	FORCE		11.615	11.615				
272	DEFL		0.0	0.078	0.15	0.29	0.44	0.70
273	DEFL		1.58	20.0				
274	PY	8	65.0					
275	FORCE		0.0	3.542	4.840	6.680	8.210	10.303
276	FORCE		16.485	16.485				
277	DEFL		0.0	0.075	0.15	0.28	0.44	0.70
278	DEFL		1.58	20.0				
279	PY	8	90.0					
280	FORCE		0.0	4.756	6.551	9.079	11.176	14.040
281	FORCE		22.464	22.464				
282	DEFL		0.0	0.073	0.14	0.28	0.44	0.70
283	DEFL		1.58	20.0				
284	PY	8	90.08					
285	FORCE		0.0	1.499	3.003	4.689	5.988	7.706
286	FORCE		12.329	12.329				
287	DEFL		0.0	0.023	0.098	0.25	0.41	0.70
288	DEFL		1.58	20.0				
289	PY	8	95.0					
290	FORCE		0.0	1.581	3.167	4.945	6.314	8.126
291	FORCE		13.001	13.001				
292	DEFL		0.0	0.023	0.098	0.25	0.41	0.70
293	DEFL		1.58	20.0				
294	PY	8	114.0					

3.24

S T R A N   I N P U T   D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  295  FORCE          0.0      1.838     3.728     5.833     7.452     9.594
  296  FORCE       15.350     15.350
  297  DEFL           0.0      0.022     0.097      0.25      0.41      0.70
  298  DEFL          1.58       20.0
  299  PILE  1011   200.0       29.0      11.6
  300  PILE  1012   200.0       29.0      11.6
  301  JOINT
  302  JOINT  101   1450   -837  16800                             TOP DECK
  303  JOINT  102    000   -837  16800                             TOP DECK
  304  JOINT  103  -1450   -837  16800                             TOP DECK
  305  JOINT  104    725    418  16800                             TOP DECK
  306  JOINT  105   -725    418  16800                             TOP DECK
  307  JOINT  106    000   1674  16800                             TOP DECK
  308  JOINT  201   1450   -837  15300                             EQM DECK
  309  JOINT  202    000   -837  15300                             EQM DECK
  310  JOINT  203  -1450   -837  15300                             EQM DECK
  311  JOINT  204    725    418  15300                             EQM DECK
  312  JOINT  205   -725    418  15300                             EQM DECK
  313  JOINT  206    000   1674  15300                             EQM DECK
  314  JOINT  301   1450   -837  13800                             DK BRACE
  315  JOINT  303  -1450   -837  13800                             DK BRACE
  316  JOINT  306    000   1674  13800                             DK BRACE
  317  JOINT  401   1450   -837  10950                             WP LEVEL
  318  JOINT  403  -1450   -837  10950                             WP LEVEL
  319  JOINT  406    000   1674  10950                             WP LEVEL
  320  JOINT  501   1515   -875  10500                              5 LEVEL
  321  JOINT  502    000   -875  10500                              5 LEVEL
  322  JOINT  503  -1515   -875  10500                              5 LEVEL
  323  JOINT  504    757    437  10500                              5 LEVEL
  324  JOINT  505   -757    437  10500                              5 LEVEL
  325  JOINT  506    000   1749  10500                              5 LEVEL
  326  JOINT  507   1686   -973  10533                              5 LEVEL
  327  JOINT  508  -1686   -973  10533                              5 LEVEL
  328  JOINT  509    000   1947  10533                              5 LEVEL
  329  JOINT  510   1515   -875  10501                              5 LEVEL
  330  JOINT  511  -1515   -875  10501                              5 LEVEL
  331  JOINT  512    000   1749  10501                              5 LEVEL
  332  JOINT  513   1775  -1025  10500                              5 LEVEL
  333  JOINT  514  -1775  -1025  10500                              5 LEVEL
  334  JOINT  601   1601   -925   9900                             BOAT LOG
  335  JOINT  603  -1601   -925   9900                             BOAT LOG
  336  JOINT  606    000   1848   9900                             BOAT LOG
  337  JOINT  611   1601  -1525   9900                             BOAT LOG
  338  JOINT  612    000  -1525   9900                             BOAT LOG
  339  JOINT  613  -1601  -1525   9900                             BOAT LOG
  340  JOINT  641   1688   -975   9300                             MLW
  341  JOINT  642   -113   -975   9300                             MLW
  342  JOINT  643  -1688   -975   9300                             MLW
  343  JOINT  644    900    390   9300                             MLW
```

3.25

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.						
344	JOINT	645	-788	585	9300	MLW
345	JOINT	646	000	1949	9300	MLW
346	JOINT	651	1775	-1025	8700	BOAT LDG
347	JOINT	653	-1775	-1025	8700	BOAT LDG
348	JOINT	656	000	2049	8700	BOAT LDG
349	JOINT	661	1775	-1525	8700	BOAT LDG
350	JOINT	662	000	-1525	8700	BOAT LDG
351	JOINT	663	-1775	-1525	8700	BOAT LDG
352	JOINT	701	1876	-1083	8000	7 LEVEL
353	JOINT	702	000	-1083	8000	7 LEVEL
354	JOINT	703	-1876	-1083	8000	7 LEVEL
355	JOINT	704	938	542	8000	7 LEVEL
356	JOINT	705	-938	542	8000	7 LEVEL
357	JOINT	706	000	2166	8000	7 LEVEL
358	JOINT	707	2047	-1182	8033	7 LEVEL
359	JOINT	708	-2047	-1182	8033	7 LEVEL
360	JOINT	709	000	2363	8033	7 LEVEL
361	JOINT	710	1876	-1083	8001	7 LEVEL
362	JOINT	711	-1876	-1083	8001	7 LEVEL
363	JOINT	712	000	2166	8001	7 LEVEL
364	JOINT	801	2251	-1300	5400	8 LEVEL
365	JOINT	802	000	-1300	5400	8 LEVEL
366	JOINT	803	-2251	-1300	5400	8 LEVEL
367	JOINT	804	1126	650	5400	8 LEVEL
368	JOINT	805	-1126	650	5400	8 LEVEL
369	JOINT	806	000	2599	5400	8 LEVEL
370	JOINT	807	2422	-1398	5433	8 LEVEL
371	JOINT	808	-2422	-1398	5433	8 LEVEL
372	JOINT	809	000	2797	5433	8 LEVEL
373	JOINT	810	2251	-1300	5401	8 LEVEL
374	JOINT	811	-2251	-1300	5401	8 LEVEL
375	JOINT	812	000	2599	5401	8 LEVEL
376	JOINT	901	2641	-1525	2700	9 LEVEL
377	JOINT	902	000	-1525	2700	9 LEVEL
378	JOINT	903	-2641	-1525	2700	9 LEVEL
379	JOINT	904	1320	762	2700	9 LEVEL
380	JOINT	905	-1320	762	2700	9 LEVEL
381	JOINT	906	000	3049	2700	9 LEVEL
382	JOINT	907	2812	-1623	2733	9 LEVEL
383	JOINT	908	-2812	-1623	2733	9 LEVEL
384	JOINT	909	000	3267	2733	9 LEVEL
385	JOINT	910	2641	-1525	2701	9 LEVEL
386	JOINT	911	-2641	-1525	2701	9 LEVEL
387	JOINT	912	000	3049	2701	9 LEVEL
388	JOINT	1001	3031	-1750	000	MUDLINE
389	JOINT	1002	000	-1750	000	MUDLINE
390	JOINT	1003	-3031	-1750	000	MUDLINE
391	JOINT	1004	1515	875	000	MUDLINE
392	JOINT	1005	-1515	875	000	MUDLINE

3.26

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   393  JOINT 1006   000  3499   000                              MUDLINE
   394  JOINT 1007  3201 -1848   033                              MUDLINE
   395  JOINT 1008 -3201 -1848   033                              MUDLINE
   396  JOINT 1009   000  3697   033                              MUDLINE
   397  JOINT 1010  3031 -1750   001                    111111
   398  JOINT 1010                                      NONLIN
   399  JOINT 1010                         1010     910 OBLIQU
   400  JOINT 1011 -3031 -1750   001                    111111
   401  JOINT 1011                                      NONLIN
   402  JOINT 1011                         1011     911 OBLIQU
   403  JOINT 1012   000  3499   001                    111111
   404  JOINT 1012                                      NONLIN
   405  JOINT 1012                         1012     912 OBLIQU
```

3.27

S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
TUBULAR MEMBER PROPERTIES

*** E = 29000000.0 PSI, G = 11600000.0 PSI ***

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
0M6	1	-0.00	.500	6.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	-0.00
106	1	-0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	-0.00
120	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	-0.00
124	1	-0.00	.750	12.75	28.27	1021.85	510.93	510.93	36.0	.8	1.0	14.14	-0.00
123	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
125	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
127	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
137	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	-0.00
145	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
149	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
140	1	-0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	-0.00
150	1	-0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	.8	15.09	-0.00
165	1	-0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	1.0	15.09	-0.00
168	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	-0.00
179	1	-0.00	.500	14.00	21.21	967.51	483.76	483.76	36.0	1.0	.8	10.60	-0.00
200	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	-0.00
230	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	1.0	.8	19.02	-0.00
DML	1	-0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	-0.00
P1	1	-0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	-0.00
P2	1	-0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	-0.00
P3	1	-0.00	2.375	42.00	295.65	116471.24	58235.62	58235.62	36.0	1.0	1.0	147.83	-0.00
JL4	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL5	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL6	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL7	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL8	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL9	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
5??	1	-0.00	.500	16.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	-0.00

3.28

S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 2
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
		*** E = 29000000.0 PSI, G = 11600000.0 PSI ***														
W18	1	-0.00	.570	7.50	.350	.500	18.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W21	1	-0.00	.740	8.30	.455	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.5	.01	-0.00

3.29

S T R A N - G R O U P P R O P E R T I E S R E P O R T

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
PRISMATIC SECTION MEMBERS

GRP	M/S	JOINT THICK FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***												
ANN	1	-0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	-0.00

SECTION 4.0

BASIC LOADS

4.1 INTRODUCTION

This section presents the loads which are applied to the structure.

Section 4.2 contains the estimated weight of the structural material not considered by SEALOAD because of the structural idealization of the model.

Section 4.3 contains the calculations for live loads applied to the Upper Deck and to the Equipment Deck.

Section 4.4 illustrates the data required for the wind loads feature of SEALOAD. The wind loading applied to the individual structural members of the model is found in Appendix B.2.

Section 4.5 contains a summary of the shear force and overturning moment at the mudline for each wave direction. The wave loading applied to the individual structural members of the model is found in Appendix B.2

By A.R.B. Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 7-9-76 Job No. 27-771-95 Calculation BASIC LOADS

4.01 DEAD LOADS

1. Weight of the structure is considered in the SEALOAD 2 analysis.

2. Top Deck: A 15 kip load was assumed as the weight of the deck. The load was distributed uniformly at each column

3. Equipment Deck: A 15 kip load was assumed as the weight of the deck. The load was distributed uniformly at each column.

4. Boat Landing: 11 kip load (estimated) was applied at each support. A total of 22 kips was applied.

5. Boat Bumper: 1.2 kip load (estimated) was applied at each Bumper.

4.2 LIVE LOADS

1. Top Deck; 100 psf load was applied to a 364 FT^2 area and distributed uniformly along the 3 W18@50.

$$\frac{100 \times 364}{3 \times 29} = 418.4\ \#/FT$$

CREST OFFSHORE, INC.

Sheet ___ of ___

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-9-76 Job No. 27-771-95 Calculation BASIC LOADS

4.2 LIVE LOADS (CONT'D.)

2. Equipment Deck: 150 psf load was applied to a 364 FT² area and distributed uniformly alond the 3 main support beams.

$$\frac{150 \times 564}{3 \times 29} = 627.6 \ \#/FT$$

a) Equipment Deck Cantilever: 150 psf load was applied to a 192 FT² area and distributed uniformly along the W21@73 support beam.

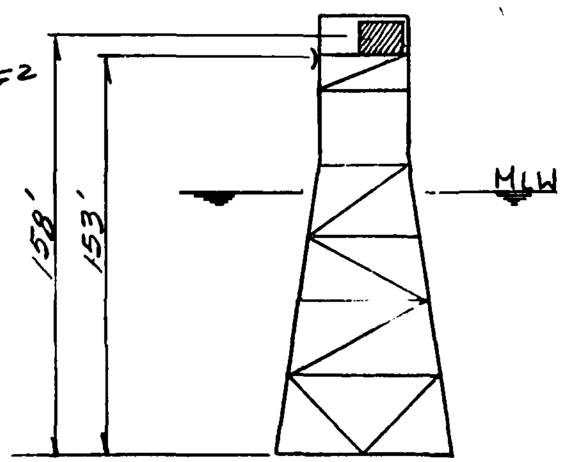
$$\frac{150 \times 192}{29} = 993 \ \#/F$$

4.3 Wind Load

1. Wind on the structure is considered in the SEALOAD 2 analysis's.

2. Wind as applied to the solar panel and antenna

AREA @ 158' = 121 FT²
AREA @ 153' = 50 FT²



4.4 WAVE LOADS

The wave loads on the members of the platform are calculated by the SEALOAD-2 program using Dean's Stream Function wave grid profiles.

A summary of the shear force and overturning moment at the mudline for each wave direction selected follows on the next four pages. Note that these forces and moments also include the wind loads.

By J. Talbot Client U.S. Navy Subject Design of MLW Structure
Date 9-3-76 Job No. 27-771- Calculation Wave Loads

The roughness effect of the marine fouling for that part of the structure from the Mean Low Water to the Mudline is considered by increasing the effective diameter used in SEALOAD to increase the drag. However, this results in a larger inertial force being applied to the structure. Therefore, the mass coefficient is reduced correspondingly. The following equations are used to determine Deff and Cm used in SEALOAD.

$$D_{act} = D + 2''$$
$$D_{eff} = D_{act} \times 1.02/.74$$
$$C_{meff} = \frac{D_{act}^2}{36 \times D_{eff}}$$

These equations produce the following table.

D	Dact	Deff	Cm
10¾"	12.75	17.57	0.257
12¾"	14.75	20.33	0.297
14"	16.00	22.05	0.322
16"	18.00	24.81	0.363
18"	20.00	27.57	0.403
20"	22.00	30.32	0.443
45½"	47.50	65.47	0.957
47½"	49.50	68.23	0.997

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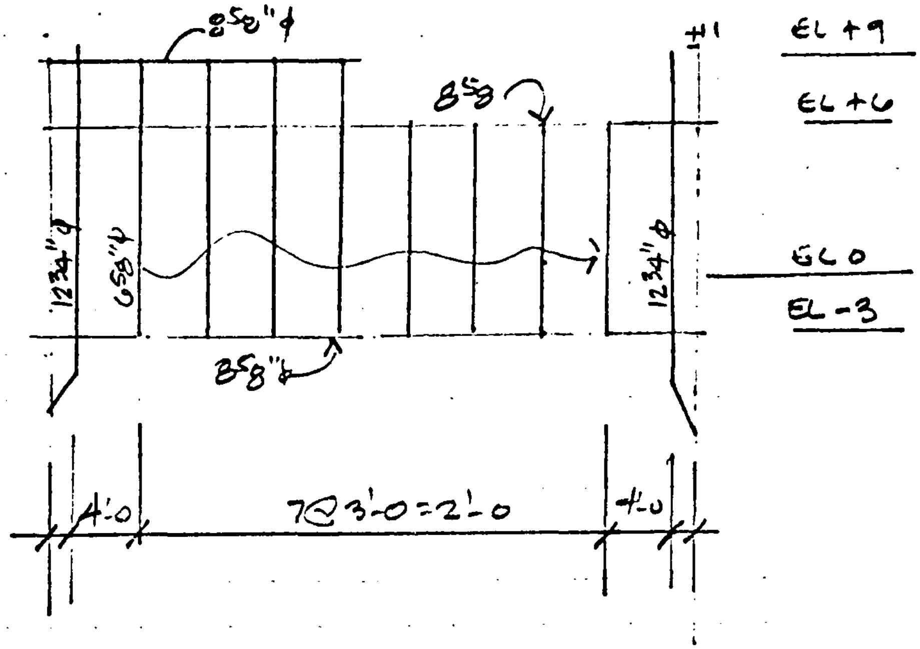
Sheet 4.06 of

By JW Client U.S. NAVY Subject

Date 5/2/76 Job No. 27-771 Calculation

BOAT LANDING WAVE AREA



SURFACE AREA FRONT FACE

HORIZONTAL'S

1-8 5/8" φ = 0.72 φ × 16' = 11.52 φ

2- " = 0.72 × 29' × 2 = 41.76 / 53.28

VERT. 2-12 3/4 = 1.0625 × 2 × 18' = 38.34

4-6 5/8" = 0.552 × 4 × 13' = 28.70

4- " = 0.552 × 4 × 10' = 22.08 / 89.12

142.4 S.F.

BACK FACE

HOR. 1-6 5/8" φ = 0.552 × 16' × 1 = 8.83 S.F.

2-8 5/8" φ = 0.720 × 29 × 2 = 41.76 "

VER. 3-6 5/8 φ = 0.552 × 9 × 2 = 9.94 "

2-6 5/8 φ = 0.552 × 13 × 2 = 14.35 "

74.88

ASSUMING BACK FACE IS SHIELDED SOMEWHAT

TOTAL AREA = 142.4 + 0.5 × 74.88 = 179.84 S.F.

SAY 180 S.F. SURFACE AREA

4.07

**** LOAD SUMMARY REPORT ****

WAVE NUMBER = 4 WAVE DIRECTION =270.000

X SHEAR FORCE =	1.5927	KIPS
Y SHEAR FORCE =	-1351.1451	KIPS
RESULTANT SHEAR FORCE =	1351.1460	KIPS
X MUDLINE MOMENT =	115033.7969	FT-KIPS
Y MUDLINE MOMENT =	194.1206	FT-KIPS
RESULTANT MUDLINE MOMENT =	115033.9607	FT-KIPS
Z VERTICAL FORCE =	-74.1271	KIPS

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 3 WAVE DIRECTION =240.000

X SHEAR FORCE =	-631.2893	KIPS
Y SHEAR FORCE =	-1154.1838	KIPS
RESULTANT SHEAR FORCE =	1315.5479	KIPS
X MUDLINE MOMENT =	99475.2596	FT-KIPS
Y MUDLINE MOMENT =	-54058.6662	FT-KIPS
RESULTANT MUDLINE MOMENT =	113215.1345	FT-KIPS
Z VERTICAL FORCE =	-68.4976	KIPS

4.08

**** LOAD SUMMARY REPORT ****

WAVE NUMBER = 2 WAVE DIRECTION = 90.000

X SHEAR FORCE = 19.1478 KIPS

Y SHEAR FORCE = 1360.3456 KIPS

RESULTANT SHEAR FORCE = 1360.4803 KIPS

X MUDLINE MOMENT = -117110.4091 FT-KIPS

Y MUDLINE MOMENT = 2605.5641 FT-KIPS

RESULTANT MUDLINE MOMENT = 117139.3909 FT-KIPS

Z VERTICAL FORCE = -93.3705 KIPS

4.09

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE = 639.1422 KIPS

Y SHEAR FORCE = 1162.0762 KIPS

RESULTANT SHEAR FORCE = 1326.2443 KIPS

X MUDLINE MOMENT = -99252.6111 FT-KIPS

Y MUDLINE MOMENT = 53831.7455 FT-KIPS

RESULTANT MUDLINE MOMENT = 112911.1935 FT-KIPS

Z VERTICAL FORCE = -100.0843 KIPS

4.10

SECTION 5.0

LOADING CONDITIONS

5.1 INTRODUCTION

This section describes the wave approaches considered and the loading conditions used to analyze the structure for the 50 year storm.

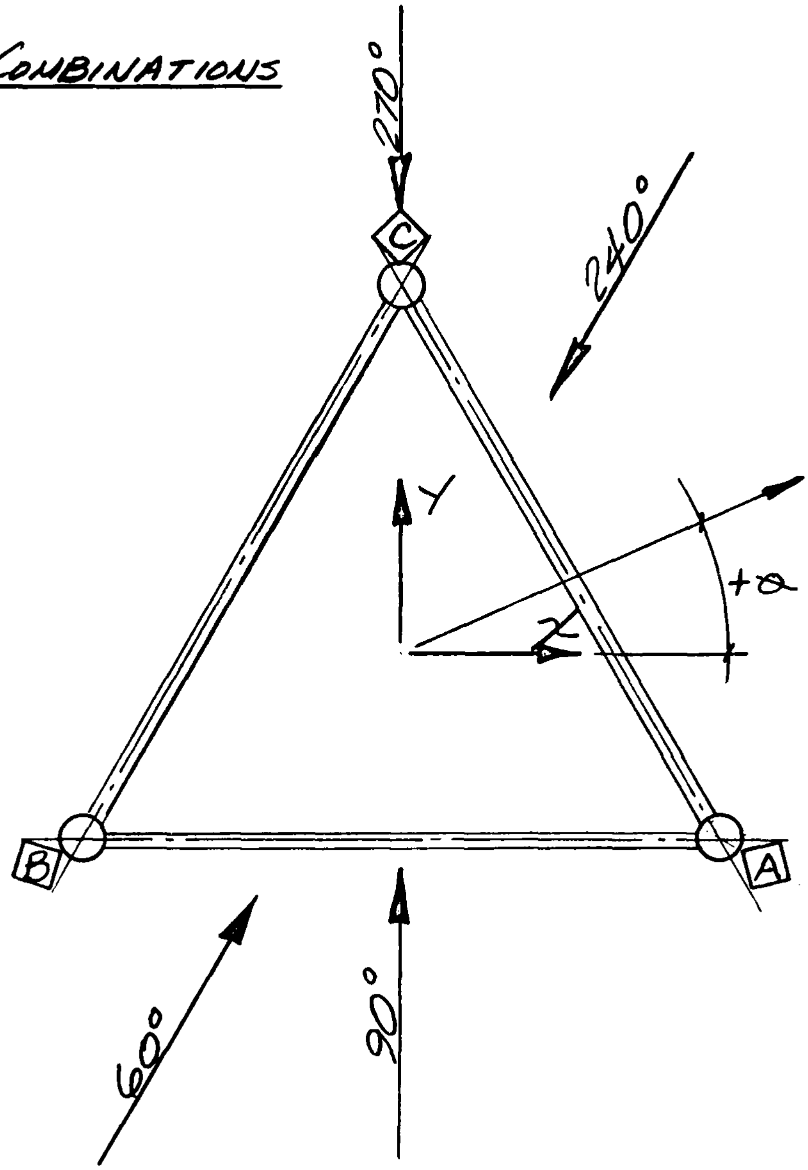
Loading Conditions 1 to 4 are the load conditions generated by SEALOAD for the maximum force on the structure (in the area of the wave crest) for the four selected wave approached. Load Condition 5 is the dead weight generated by SEALOAD, the dead weight not included by the model, and the live load on the two deck areas. Load Conditions 6 to 9 are the maximum wave load conditions, Load Conditions 1 to 4, added to Load Condition 5, the total dead weight and live load of the structure.

CRESTOFFSHORE, INC.

Sheet ___ of ___

By A.C.B. Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 7-9-76 Job No. 27-771-95 Calculation

LOADING COMBINATIONS



LOAD CASE 1 : Wind and Wave at 60°
LOAD CASE 2 : Wind and Wave at 90°
LOAD CASE 3 : Wind and Wave at 240°
LOAD CASE 4 : Wind and Wave at 270°
LOAD CASE 5 : DEAD LOADS + LIVE LOADS

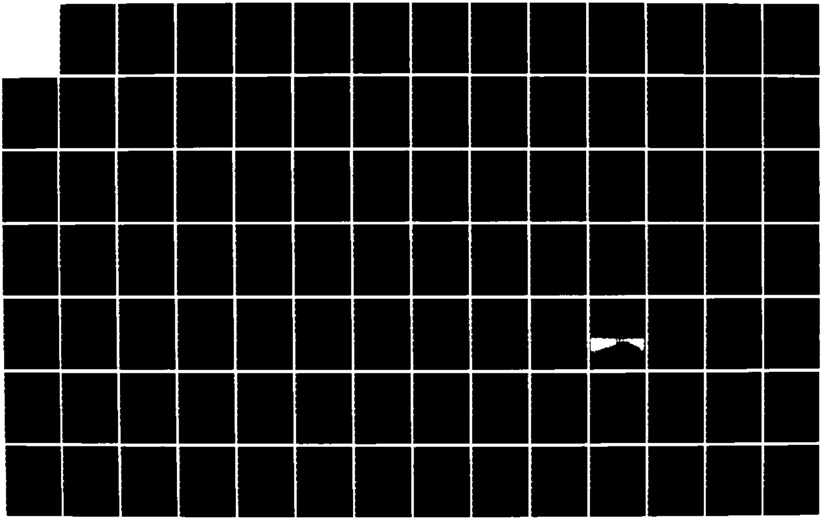
LOAD CASE 6 : LOADING 1 + LOADING 5
LOAD CASE 7 : LOADING 2 + LOADING 5
LOAD CASE 8 : LOADING 3 + LOADING 5
LOAD CASE 9 : LOADING 4 + LOADING 5

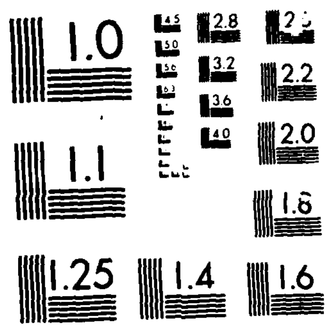
SECTION 6.0

SPACE FRAME ANALYSIS

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 2/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

6.1 INTRODUCTION

This section contains the results of the space frame analysis of the structure subjected to the specified environmental conditions.

The space frame analysis set forth herein utilizes the available computer programs available at Synercom Technology, Inc., Houston, Texas. The program processing procedures are as follows:

1. Set up SEALOAD-2 program to obtain desired wind, wave and dead weight (including buoyancy effect) loadings on the structural components.

2. Update loadings in Step (1) due to additional dead weight and live loads on the structure.

3. Perform space frame analysis by using STRAN computer program.

CREST OFFSHORE, INC.

Sheet ___ of ____

By A.C.C. Client U.S. NAVY Subject DESIGN OF 93' MWI STRUCTURE
Date 9-3-76 Job No. 27-771-95 Calculation SPACE FRAME ANALYSIS

6.2 MAXIMUM MEMBER STRESSES

The following three pages tabulate the maximum stress each member of the mathematical model experiences. The loading condition in which this stress occurs as well as the maximum unity check are indicated. Since one-third increase of all allowable stresses was used by the computer due to the storm condition, all unity checks should be compared to 1.00.

STRAN MEMBER STRESS REPORT NO. 3

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	LOAD COND	THIRD-HIGHEST UNITY CHECK	LOAD COND
101- 102	A10-01	.440	7	0.0	-.23	4.01	8.72	.76	-6.87	49.5	55.2	.428	8	.428	6
101- 104	A10-01	.438	6	0.0	-.42	4.85	-7.67	-.67	-7.34	49.4	55.2	.416	6	.408	7
101- 201	DRL-01	.074	9	15.0	-.27	-2.02	0.00	9.68	5.97	17.5	17.5	.069	8	.039	6
102- 103	A10-01	.363	7	14.5	-.22	4.71	5.89	-.57	7.24	49.5	55.2	.323	9	.276	8
102- 104	A10-01	.071	7	14.5	-.09	-.12	1.74	-.10	.17	50.9	108.3	.055	6	.049	9
102- 105	A10-01	.041	8	10.9	.17	-.46	.50	-.01	.06	50.9	108.3	.040	7	.034	6
103- 105	A10-01	.302	7	0.0	-.16	5.56	-5.13	-.43	-7.62	49.4	55.2	.294	9	.266	6
103- 203	DRL-01	.089	9	15.0	-.25	-2.53	0.00	-10.21	7.17	17.5	17.5	.088	8	.047	7
104- 105	A10-01	.049	7	0.0	.21	.12	-1.06	-.05	-.22	50.9	108.4	.044	8	.043	9
104- 106	A10-01	.279	8	14.5	-.38	3.79	-4.09	.41	11.75	49.5	55.2	.269	6	.190	7
105- 106	A10-01	.300	8	14.5	-.43	5.56	-3.05	.22	7.53	49.5	55.2	.262	9	.141	6
105- 206	DRL-01	.132	7	15.0	-.19	-3.98	0.00	-5.75	-17.09	17.5	17.5	.111	6	.079	9
201- 202	A10-01	.586	7	0.0	1.82	6.28	9.32	.85	-9.93	49.5	55.2	.562	6	.551	8
201- 204	A10-01	.702	7	0.0	-4.68	7.47	8.68	.74	-10.56	49.4	55.2	.664	6	.585	8
201- 301	DRL-01	.626	7	15.0	-.75	-18.93	0.00	14.92	60.27	17.5	17.5	.562	9	.470	6
201- 303	120-01	.633	7	32.6	.17	19.83	0.00	31.80	11.88	73.7	92.2	.589	6	.251	8
202- 203	A10-01	.512	7	14.5	1.82	6.92	6.59	-.64	10.27	49.5	55.2	.445	9	.409	6
202- 204	A10-01	.074	7	14.5	-.12	-.12	1.80	-.10	.17	50.9	108.3	.056	6	.051	9
202- 205	A10-01	.055	7	14.5	-.11	.21	-1.17	.04	.18	50.9	108.3	.052	8	.047	6
203- 205	A21-01	.649	7	0.0	1.84	11.62	-6.25	-.70	-20.62	40.3	48.0	.524	6	.470	9
203- 303	DRL-01	.614	8	15.0	-1.47	-17.71	0.00	-1.35	-56.50	17.5	17.5	.609	7	.541	9
203- 306	120-01	.492	9	32.6	4.43	10.69	0.00	12.97	18.73	73.7	92.2	.460	7	.412	8
204- 205	A10-01	.063	8	14.5	-.16	.16	1.37	-.05	.19	50.9	108.4	.048	7	.044	6
204- 206	A10-01	.518	8	14.5	3.34	7.06	-5.12	.52	15.37	49.5	55.2	.409	6	.401	7
205- 206	A21-01	.595	8	14.5	-2.06	11.33	-4.39	.53	20.19	40.3	48.0	.469	9	.375	6
205- 301	120-01	.635	8	32.6	-4.03	-13.17	0.00	24.54	5.16	73.7	92.2	.508	9	.486	7
205- 306	DRL-01	.728	7	15.0	-1.55	-21.24	0.00	14.43	78.07	17.5	17.5	.682	9	.610	8
301- 303	125-01	.657	6	29.0	-2.50	-16.55	0.00	16.49	2.89	64.2	64.2	.616	8	.563	7
301- 306	125-01	.755	7	29.0	-5.68	-16.51	0.00	7.63	4.42	64.2	64.2	.750	6	.665	8
301- 401	DRL-01	.697	7	28.5	-.39	-21.56	0.00	-9.56	-102.96	33.3	33.3	.695	9	.507	6
303- 306	125-01	.590	7	29.0	3.30	15.02	0.00	-7.51	3.99	64.2	64.2	.570	8	.531	9
303- 403	DRL-01	.790	8	28.5	-1.52	-25.12	0.00	-18.99	100.61	33.3	33.3	.702	6	.694	9
306- 406	DRL-01	1.003	7	28.5	-2.38	-29.00	0.00	-10.66	-123.76	33.3	33.3	.856	9	.811	6
401- 501	JL -01	.730	9	4.6	8.47	13.76	0.00	84.64	-45.06	2.7	3.4	.724	7	.531	8
401- 510	P -01	.325	9	0.0	-6.04	-3.58	0.00	8.62	-1.91	3.8	3.8	.285	7	.202	6
403- 503	JL4-01	.816	8	4.6	13.18	11.28	0.00	-47.70	-137.10	2.7	3.4	.767	6	.755	9
403- 511	P1-01	.472	6	4.6	-9.78	-4.15	0.00	.82	-18.04	3.8	3.8	.429	6	.340	9
406- 506	JL4-01	.959	7	4.6	16.38	9.13	0.00	-10.57	-126.46	2.7	3.4	.819	9	.725	6
406- 512	P1-01	.604	7	0.0	-11.65	-6.27	0.00	-.12	26.07	3.8	3.8	.545	9	.508	6
501- 502	165-01	.375	9	15.1	-5.87	-5.38	0.00	-11.15	-1.91	26.7	33.4	.347	6	.325	7
501- 504	165-01	.732	9	0.0	9.62	12.56	0.00	-3.81	-7.92	26.7	33.4	.720	7	.647	8
501- 601	JL5-01	.674	7	0.0	-7.27	-13.29	0.00	118.56	-31.57	3.6	4.5	.672	9	.519	8
501- 602	270-01	.487	6	0.0	6.96	7.75	0.00	-15.86	-6.60	28.4	28.4	.447	8	.312	9
502- 503	165-01	.361	9	0.0	-6.02	-4.71	0.00	9.94	1.16	26.7	33.4	.300	7	.193	8
502- 504	125-01	.120	8	0.0	-.36	-3.37	0.00	1.14	-1.57	33.5	33.5	.114	6	.113	9
502- 505	125-01	.215	6	0.0	-1.40	-5.09	0.00	-4.49	.51	33.5	33.5	.210	8	.148	7
503- 505	165-01	.573	8	0.0	-6.69	-10.76	0.00	-1.96	-7.85	26.7	33.4	.508	9	.472	6
503- 603	JL5-01	.674	8	0.0	10.32	9.94	0.00	94.42	57.16	3.6	4.5	.644	6	.622	7

6.03

STRAN MEMBER STRESS REPORT NO. 3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503- 645	200-01	.855	6	0.0	15.30	10.22	0.00	1.24	-14.93	28.4	28.4	.810	9	.795	7
504- 525	125-01	.196	9	15.1	-1.35	-4.56	0.00	-4.90	.33	33.5	33.5	.193	7	.136	6
504- 526	165-01	.752	7	15.1	-11.17	-11.46	0.00	-.45	6.75	26.7	33.4	.653	9	.614	6
505- 526	165-01	.544	6	15.1	5.06	11.62	0.00	-4.97	7.98	26.7	33.4	.526	8	.490	7
507- 625	JL5-01	.701	7	0.0	14.07	6.66	0.00	17.30	67.13	3.6	4.5	.690	9	.607	8
508- 644	200-01	.454	7	0.0	14.79	10.71	0.00	10.56	-12.59	28.4	28.4	.610	9	.646	6
510- 710	P1-01	.321	9	0.0	-6.05	-3.49	0.00	10.09	24.48	21.4	21.4	.285	7	.195	6
511- 711	P1-01	.473	6	0.0	-9.78	-4.15	0.00	-1.70	45.29	21.4	21.4	.429	6	.336	9
512- 712	P1-01	.563	7	0.0	-11.66	-5.60	0.00	-.12	55.95	21.4	21.4	.534	9	.490	6
601- 641	JL6-01	.505	9	0.0	7.95	7.20	0.00	-86.70	23.15	3.6	4.5	.500	7	.331	8
603- 643	JL6-01	.525	6	0.0	10.20	5.38	0.00	69.83	46.29	3.6	4.5	.501	6	.432	9
606- 646	JL6-01	.608	7	0.0	14.06	3.76	0.00	17.30	46.27	3.6	4.5	.589	9	.529	8
641- 651	JL6-01	.363	9	0.0	7.94	3.38	0.00	-76.32	10.26	3.6	4.5	.376	7	.197	8
642- 703	200-01	.511	6	21.9	6.96	8.49	0.00	15.92	6.78	30.7	30.7	.493	8	.256	7
643- 653	JL6-01	.409	8	0.0	10.16	1.72	0.00	63.77	39.00	3.6	4.5	.392	6	.290	9
644- 701	200-01	.659	9	21.9	-14.50	-3.79	0.00	9.57	-5.04	30.7	30.7	.641	7	.546	8
645- 706	200-01	.663	7	21.9	-14.57	-4.58	0.00	-8.84	-5.81	30.7	30.7	.654	9	.631	8
646- 655	JL6-01	.543	7	0.0	14.04	1.71	0.00	17.30	40.54	3.6	4.5	.522	9	.479	6
651- 701	JL6-01	.315	9	0.0	8.30	.63	0.00	-16.82	12.03	4.2	5.3	.293	7	.130	8
653- 703	JL6-01	.443	6	7.1	-10.44	-2.52	0.00	-13.92	-5.51	4.2	5.3	.441	8	.270	7
655- 706	JL6-01	.543	7	7.1	14.00	1.77	0.00	17.30	7.42	4.2	5.3	.525	9	.457	6
701- 702	137-01	.438	6	18.8	-4.53	-7.51	0.00	-6.19	-.53	82.3	41.1	.388	6	.362	9
701- 704	137-01	.364	6	18.8	-2.61	-7.41	0.00	6.17	-.51	82.3	41.2	.305	8	.230	7
701- 801	JL7-01	.409	9	13.2	6.32	3.76	0.00	-3.73	-2.81	15.9	19.9	.370	7	.207	6
701- 806	270-01	.745	7	0.0	-12.12	-5.19	0.00	-7.31	7.94	68.4	68.4	.633	9	.610	6
702- 703	137-01	.401	6	18.5	-5.27	-4.48	0.00	-4.15	1.12	82.3	41.1	.349	9	.324	7
702- 704	127-01	.136	7	0.0	-.74	-3.36	0.00	2.46	-.63	49.0	49.0	.136	9	.030	8
702- 705	127-01	.211	6	0.0	-1.24	-5.07	0.00	-4.06	-.66	49.0	49.0	.203	8	.123	7
703- 705	137-01	.270	7	18.8	-1.55	-6.10	0.00	-4.17	-.35	82.3	41.2	.258	9	.147	8
703- 8 1	2 -01	.619	6	0.0	-6.84	-9.63	0.00	17.02	3.62	68.4	68.4	.554	8	.267	7
3- 8 3	JL7-01	.754	8	6.6	17.19	4.94	0.00	-.05	.78	15.9	19.9	.752	6	.550	9
704- 705	127-01	.222	9	0.0	-1.40	-5.20	0.00	4.51	-.67	49.0	49.0	.219	7	.215	8
4- 706	137-01	.293	6	18.8	-3.37	-4.29	0.00	4.09	.93	82.3	41.1	.255	7	.230	8
5- 706	137-01	.267	7	18.8	-2.81	-4.65	0.00	-2.74	1.15	82.3	41.1	.262	6	.186	8
6- 8 3	2 -01	.842	9	0.0	-12.10	-7.81	0.00	10.57	7.66	68.4	68.4	.825	8	.716	7
6- 806	JL7-01	.821	7	6.6	19.76	4.20	0.00	-6.42	3.71	15.9	19.9	.802	9	.657	6
- 810	P2-01	.248	9	26.4	-5.47	-1.70	0.00	9.73	7.60	22.3	22.3	.183	7	.090	8
711- 811	P2-01	.405	6	26.4	-8.75	-3.01	0.00	-1.13	6.65	22.3	22.3	.351	6	.261	9
712- 812	P2-01	.475	7	26.4	-10.41	-3.34	0.00	-.12	9.69	22.3	22.3	.412	9	.408	6
801- 802	168-01	.400	9	22.5	-3.71	-6.56	0.00	-5.01	-.61	98.7	49.4	.319	8	.316	7
801- 804	165-01	.474	6	22.5	-4.40	-7.73	0.00	5.30	-.30	98.7	49.4	.383	7	.376	8
801- 901	JL6-01	.357	9	6.8	6.06	2.40	0.00	.29	4.45	16.5	20.6	.350	7	.169	6
801- 903	200-01	.562	8	55.9	-5.91	-8.99	0.00	-12.34	-2.15	78.3	78.3	.501	6	.256	9
802- 803	168-01	.395	9	0.0	-3.73	-6.41	0.00	4.95	.56	98.7	49.4	.311	7	.275	8
802- 804	140-01	.120	9	0.0	.56	3.18	0.00	-1.94	-.58	58.8	58.8	.117	7	.031	6
802- 805	140-01	.219	6	0.0	-1.06	-5.50	0.00	-3.39	-.53	58.8	58.8	.211	8	.129	7
803- 805	168-01	.351	8	0.0	-3.23	-5.23	0.00	.56	-1.24	98.7	49.4	.252	9	.222	7
803- 903	JL6-01	.443	8	27.0	9.84	3.18	0.00	-20.12	-18.56	16.5	20.6	.441	6	.293	9

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	LOAD COND	THIRD-HIGHEST UNITY CHECK	LOAD COND
803- 906	200-01	.860	6	0.0	-12.40	-6.40	0.00	-.66	7.25	78.3	78.3	.776	7	.665	8
804- 805	140-01	.220	9	22.5	-1.17	-5.36	0.00	-3.76	.57	58.6	58.8	.210	7	.200	6
804- 805	145-01	.443	7	22.5	-4.74	-5.11	0.00	2.18	1.03	98.7	49.4	.425	6	.301	8
805- 806	145-01	.257	6	22.5	2.49	5.39	0.00	-.96	1.15	98.7	49.4	.226	8	.176	7
806- 901	200-01	.847	9	0.0	-11.28	-7.30	0.00	-7.80	6.02	78.3	78.3	.657	7	.606	8
808- 906	JL6-01	.527	7	13.7	13.03	2.31	0.00	-6.68	-5.00	16.5	20.6	.523	9	.494	6
810- 910	P2-01	.279	9	27.4	-5.55	-2.70	0.00	9.93	-20.16	23.2	23.2	.218	7	.131	8
811- 911	P2-01	.447	8	27.4	-3.83	-4.41	0.00	-1.42	-50.95	23.2	23.2	.394	6	.319	9
812- 912	P2-01	.508	7	27.4	-10.49	-4.38	0.00	-.12	-54.72	23.2	23.2	.442	9	.429	6
901- 902	149-01	.479	6	26.4	-5.51	-4.72	0.00	5.09	-.44	106.2	53.1	.324	8	.262	7
901- 904	149-01	.515	7	26.4	-6.13	-4.57	0.00	3.45	.20	106.2	53.1	.367	9	.356	6
901-1001	JL9-01	.098	6	0.0	.04	3.05	0.00	18.20	1.88	16.5	20.6	.098	9	.095	7
901-1002	150-01	.352	8	37.8	-7.87	-3.04	0.00	-3.92	-1.03	66.8	66.8	.381	6	.121	7
901-1004	160-01	.755	7	37.8	-14.35	-2.82	0.00	1.79	-2.40	66.8	66.8	.593	9	.478	6
902- 903	149-01	.431	6	26.4	-5.08	-4.05	0.00	3.86	.27	106.2	53.1	.299	8	.247	7
902- 904	149-01	.110	9	0.0	.49	2.94	0.00	-1.67	-.37	69.0	69.0	.106	7	.035	8
902- 905	149-01	.243	6	0.0	-.99	-6.25	0.00	-3.03	-.21	69.0	69.0	.230	8	.142	7
903- 905	149-01	.661	8	0.0	-7.74	-3.82	0.00	.09	-1.24	106.2	53.1	.630	9	.372	7
903-1002	160-01	.504	6	0.0	-8.06	-4.33	0.00	5.30	1.23	66.8	66.8	.413	8	.112	7
903-1003	JL9-01	.168	8	0.0	1.48	3.68	0.00	16.30	3.85	16.5	20.6	.160	6	.160	9
903-1005	160-01	.914	6	0.0	-16.12	-4.53	0.00	-.45	1.38	66.8	66.8	.812	7	.700	8
904- 905	149-01	.232	9	26.4	-1.08	-5.78	0.00	-3.27	.27	69.0	69.0	.224	7	.202	6
904- 906	149-01	.579	7	26.4	-6.77	-3.81	0.00	1.85	1.21	106.1	53.1	.327	6	.297	9
905- 906	149-01	.554	9	26.4	-6.93	-3.30	0.00	2.64	.06	106.1	53.1	.518	8	.401	6
906-1004	160-01	.794	9	0.0	-14.08	-4.13	0.00	-3.01	3.45	66.8	66.8	.639	7	.481	8
905-1005	160-01	.854	8	37.8	-15.86	-2.93	0.00	-.27	-2.51	66.8	66.8	.768	9	.674	6
905-1006	JL9-01	.144	9	0.0	-1.52	-2.80	0.00	-6.49	-2.13	16.5	20.6	.142	7	.109	6
910-1010	P3-01	.533	9	27.4	-4.80	-11.58	0.00	10.28	107.20	23.4	23.4	.491	7	.177	8
911-1011	P3-01	.850	8	27.4	-7.59	-18.52	0.00	-2.09	189.44	23.4	23.4	.801	6	.542	9
912-1012	P3-01	.993	7	27.4	-8.96	-21.51	0.00	-.12	215.52	23.4	23.4	.902	9	.866	6
1001-1002	200-01	.341	9	0.0	-5.78	-1.60	0.00	-.32	-.23	84.9	42.5	.279	7	.200	6
1001-1004	200-01	.391	9	0.0	-5.46	-3.62	0.00	-1.30	-1.50	84.9	42.5	.334	7	.213	6
1002-1003	200-01	.550	6	30.3	-8.90	-2.77	0.00	-1.51	1.13	84.9	42.5	.427	6	.343	9
1002-1004	140-01	.150	6	0.0	.07	4.67	0.00	-.66	1.39	60.4	60.4	.149	8	.133	7
1002-1005	140-01	.158	7	0.0	-.40	-4.44	0.00	-.02	1.29	60.4	60.4	.154	6	.145	9
1003-1005	200-01	.504	8	0.0	-8.95	-3.79	0.00	-.34	-2.71	84.9	42.5	.462	6	.423	9
1004-1005	140-01	.115	6	0.0	-.72	-2.57	0.00	.41	.65	60.4	60.4	.105	6	.091	9
1004-1006	200-01	.674	7	30.3	-10.32	-5.59	0.00	1.10	2.44	84.9	42.4	.584	6	.472	9
1005-1006	200-01	.652	7	30.3	-9.97	-5.47	0.00	-.55	1.94	84.9	42.4	.596	6	.459	9

6.05

CREST OFFSHORE, INC.

Sheet ____ of ____

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 9-3-76 Job No 27-771-95 Calculation SPACE FRAME ANALYSIS

6.3 MAXIMUM MEMBER FORCES

The following three pages tabulate the maximum member forces for each member of the mathematical model. Since a one-third increase of all allowable stresses was used by the computer due to the storm condition, all unity checks should be compared to 1.00.

6.07

STRAN MEMBER STRESS REPORT NO. 1

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES: COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
101- 102	A15-01	.440	.010	.127	.304	7	0.0	-3.72	.01	357.07	93.47	.428	8	.428	6
101- 104	A15-01	.435	.018	.153	.267	8	0.0	-6.75	-.01	431.92	-82.17	.416	6	.406	7
101- 201	CPL-01	.074	.010	.018	.046	9	15.0	-24.22	-120.68	694.11	-1090.07	.069	8	.039	6
102- 103	A15-01	.363	.009	.149	.205	7	14.5	-3.57	-.02	419.90	63.14	.323	9	.276	8
102- 104	A15-01	.070	.006	.004	.061	7	14.5	-.06	-.00	-2.57	9.75	.055	6	.049	9
[illegible]	[illegible]	.041	.005	.015	.020	8	10.9	1.19	-.00	-9.57	3.25	.040	7	.034	6
103- 105	A15-01	.302	.005	.176	.170	7	0.0	-2.96	-.01	495.18	-54.96	.294	9	.266	6
103- 203	CPL-01	.099	.009	.031	.049	9	15.0	-23.22	97.63	1004.15	1264.26	.088	8	.067	7
104- 105	A15-01	.049	.007	.004	.037	7	0.0	1.48	.01	2.49	-5.96	.044	8	.043	9
104- 106	A15-01	.279	.016	.120	.142	8	14.5	-6.20	.04	337.98	-43.88	.259	6	.190	7
105- 106	A15-01	.300	.018	.176	.106	8	14.5	-6.90	.02	495.20	-32.68	.262	9	.141	6
106- 206	CPL-01	.132	.007	.109	.017	7	15.0	-16.47	14.01	-2354.58	921.90	.111	6	.079	9
201- 202	A16-01	.565	.003	.199	.324	7	0.0	29.50	.05	559.44	99.67	.562	6	.551	8
201- 204	A15-01	.702	.103	.256	.302	7	0.0	-75.62	-.01	665.65	93.06	.664	6	.565	8
201- 301	CPL-01	.626	.027	.591	.008	7	15.0	-60.45	-110.76	12024.31	-1357.06	.552	9	.470	6
201- 303	120-01	.633	.006	.121	.507	7	32.6	4.80	3.58	697.16	-1428.37	.549	6	.261	8
202- 203	A15-01	.512	.003	.219	.229	7	14.5	29.51	-.05	616.55	70.68	.445	9	.409	6
202- 204	A[illegible]-01	.074	.008	.004	.063	7	14.5	-.06	-.00	-2.59	10.08	.058	6	.051	9
[illegible]- 205	[illegible]-01	.055	.007	.007	.041	7	14.5	-.78	-.00	4.46	-6.57	.052	8	.047	6
203- 205	A21-01	.647	.004	.365	.217	7	0.0	39.50	-.03	1750.43	-106.25	.524	6	.470	9
203- 303	CPL-01	.614	.053	.560	.001	8	15.0	-135.06	389.45	-11314.11	-359.93	.609	7	.581	9
203- 305	120-01	.492	.154	.166	.152	9	32.6	125.24	20.90	635.64	-574.18	.460	7	.412	8
204- 205	A15-01	.063	.010	.005	.048	8	14.5	-1.13	-.00	3.34	7.65	.048	7	.044	6
204- 206	A15-01	.513	.116	.223	.178	8	14.5	54.06	.05	628.91	-54.92	.449	6	.401	7
205- 206	A21-01	.595	.084	.358	.153	8	14.5	-44.32	.01	1706.56	-74.65	.449	9	.375	6
206- 301	120-01	.656	.217	.121	.298	8	32.6	-113.99	-25.56	582.73	-679.65	.508	9	.486	7
206- 306	CPL-01	.724	.056	.665	.009	7	15.0	-141.17	334.07	13490.79	-1551.35	.682	9	.610	8
301- 303	125-01	.657	.113	.013	.511	6	29.0	-49.35	10.70	145.42	-927.06	.616	8	.583	7
301- 306	125-01	.755	.251	.269	.234	7	29.0	-109.36	-9.93	684.62	-630.53	.750	6	.665	8
301- 401	CPL-01	.697	.015	.667	.015	7	20.5	-35.40	-1099.63	-13628.84	2051.99	.695	9	.507	6
303- 306	125-01	.593	.115	.255	.241	7	29.0	83.46	-20.29	598.72	606.08	.570	8	.531	9
303- 403	CPL-01	.773	.058	.728	.003	8	20.5	-130.76	-835.18	14747.78	1011.46	.702	6	.694	9
306- 406	CPL-01	1.003	.091	.904	.014	7	20.5	-216.66	301.75	-18394.69	2281.16	.856	9	.611	6
401- 501	J[illegible]-01	.739	.295	.034	.402	9	4.6	1211.08	-520.38	-6099.77	-21037.42	.724	7	.551	8
401- 510	P1-01	.323	.210	.075	.041	9	0.0	-1350.40	-701.26	-6124.30	4583.40	.285	7	.202	6
403- 503	JL4-01	.815	.459	.111	.246	8	4.6	1683.77	710.69	-10013.77	14905.93	.767	6	.765	9
403- 511	P1-01	.472	.340	.130	.002	8	4.6	-2154.36	694.65	-8826.20	970.15	.429	9	.340	9
406- 506	JL4-01	.659	.570	.277	.012	7	4.6	2341.46	296.93	-14231.65	2975.04	.819	9	.725	6
406- 512	P1-01	.604	.405	.198	.000	7	0.0	-2576.17	373.66	-13406.01	-196.24	.545	9	.508	6
501- 502	165-01	.375	.204	.019	.151	9	15.1	-177.17	228.27	-202.57	565.75	.347	6	.325	7
501- 504	165-01	.732	.335	.325	.072	9	0.0	290.41	103.33	1260.78	-597.17	.720	7	.647	8
501- 601	JL5-01	.574	.253	.038	.303	7	0.0	-1039.72	209.83	6325.32	20185.75	.672	9	.519	8
501- 602	200-01	.457	.242	.105	.140	6	0.0	264.66	-205.95	905.90	-1046.46	.447	8	.312	9
502- 503	165-01	.301	.230	.021	.110	9	0.0	-181.04	-176.11	-211.03	481.45	.300	7	.193	8
502- 504	125-01	.120	.014	.053	.054	8	0.0	-6.91	-100.75	134.24	135.62	.114	6	.113	9
502- 505	125-01	.215	.054	.064	.097	6	0.0	-26.95	-55.39	-182.59	-223.55	.210	8	.145	7
503- 505	165-01	.573	.233	.333	.007	8	0.0	-2[illegible]1.90	-27.40	1169.06	-172.06	.508	9	.472	6
503- 603	JL5-01	.674	.359	.068	.227	9	0.0	1475.24	391.07	-8356.67	13430.28	.644	6	.622	7

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U.S. NAVY - ACMR PLATFORM - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503-645	2[illegible]-01	.856	.533	.322	.001	8	0.0	552.04	11.11	1822.50	117.91	.810	9	.745	7
504-505	125-01	.196	.052	.042	.102	9	15.1	-26.00	-1.05	-159.55	217.53	.193	7	.156	6
504-506	165-01	.752	.369	.355	.007	7	15.1	-537.34	74.21	1267.36	180.76	.653	9	.614	6
505-506	165-01	.544	.176	.314	.054	6	15.1	152.77	-53.99	1199.35	495.22	.526	6	.490	7
506-606	JL5-01	.701	.490	.198	.013	7	0.0	2011.58	426.60	-10275.58	2611.41	.690	9	.687	8
508-644	2[illegible]-01	.854	.515	.239	.100	7	0.0	562.51	90.50	1607.93	1038.73	.810	9	.648	6
510-710	P1-01	.321	.211	.077	.033	9	0.0	-1339.21	-678.67	-6240.25	4073.52	.245	7	.195	6
511-711	P1-01	.473	.358	.113	.002	8	0.0	-2154.07	599.53	-8619.22	1026.21	.429	6	.336	9
512-712	P1-01	.593	.405	.177	.000	7	0.0	-2580.96	396.34	-11968.39	-189.77	.534	9	.490	6
601-641	JL5-01	.595	.277	.024	.204	9	0.0	1136.98	-712.44	-3705.25	-10866.97	.570	7	.551	8
603-643	JL5-01	.525	.355	.051	.119	8	0.0	1457.78	656.79	-4093.97	7155.57	.501	6	.432	9
604-646	JL5-01	.569	.469	.115	.005	7	0.0	2009.20	431.17	-5856.65	1307.54	.549	9	.529	8
641-651	JL5-01	.383	.276	.015	.089	9	0.0	1134.44	-712.44	-2197.22	-4905.49	.376	7	.197	8
642-703	2[illegible]-01	.511	.242	.021	.248	6	21.9	264.96	-205.03	419.14	-1457.45	.493	8	.256	7
643-653	JL6-01	.409	.354	.017	.038	8	0.0	1455.23	666.79	-1514.65	2283.26	.392	6	.290	9
644-701	2[illegible]-01	.658	.548	.000	.109	9	21.9	-551.01	-83.70	-36.52	-675.86	.641	7	.546	8
645-706	2[illegible]-01	.683	.551	.002	.130	7	21.9	-554.15	116.63	-99.56	811.84	.654	9	.631	8
646-656	JL5-01	.543	.469	.054	.000	7	0.0	2006.59	431.03	-2721.09	85.08	.522	9	.479	6
651-701	JL5-01	.315	.269	.021	.006	9	0.0	1186.11	-1377.00	-1175.51	-612.95	.293	7	.150	8
653-703	JL6-01	.443	.363	.021	.059	6	7.1	-1492.42	-672.58	-2035.93	3454.95	.441	8	.270	7
655-706	JL6-01	.543	.467	.007	.049	7	7.1	2001.08	430.49	973.79	-2651.33	.525	9	.457	6
701-702	137-01	.438	.226	.016	.196	8	18.8	-86.11	20.39	-86.24	317.53	.338	6	.342	9
701-704	137-01	.364	.130	.014	.220	6	18.8	-36.03	-19.75	-80.03	-314.67	.335	8	.200	7
701-801	JL7-01	.409	.290	.017	.101	9	13.2	588.54	-404.45	1129.69	2730.05	.376	7	.207	6
701-805	2[illegible]-01	.745	.549	.152	.044	7	0.0	-461.14	8.88	-816.37	-440.04	.633	9	.610	6
702-703	137-01	.401	.263	.065	.053	8	18.8	-76.04	-23.67	149.34	127.72	.389	9	.324	7
702-704	127-01	.136	.030	.000	.106	7	0.0	-6.65	6.56	1.03	100.34	.136	9	.030	8
702-705	127-01	.211	.050	.000	.160	6	0.0	-14.71	-1.61	-.23	-151.66	.203	8	.123	7
703-705	137-01	.270	.077	.017	.176	7	18.8	-22.65	13.61	-80.00	254.97	.258	9	.187	8
703-801	2[illegible]-01	.519	.310	.029	.280	6	0.0	-250.22	6.53	-530.47	1636.88	.554	8	.267	7
703-803	JL7-01	.754	.598	.081	.075	8	6.6	1214.45	-288.09	2797.15	-2691.72	.752	6	.553	9
704-705	127-01	.222	.057	.000	.164	9	0.0	-16.71	1.07	5.20	155.31	.219	7	.215	8
704-706	13[illegible]-01	.243	.168	.063	.061	6	18.8	-49.19	26.27	130.76	-135.30	.255	7	.230	8
705-706	13[illegible]-01	.287	.140	.107	.040	7	18.8	-40.96	-20.08	173.49	106.66	.262	6	.186	8
706-803	2[illegible]-01	.842	.548	.130	.164	9	0.0	-460.32	.41	-926.85	1043.74	.825	8	.716	7
706-806	JL7-01	.821	.688	.114	.019	7	6.6	1396.62	-200.69	3058.38	-1246.12	.802	9	.667	6
710-810	P2-01	.240	.201	.034	.012	9	26.4	-1374.98	-679.36	3513.94	-2076.55	.183	7	.090	8
711-811	P2-01	.405	.322	.077	.006	8	26.4	-2199.94	-568.26	6961.82	1915.82	.351	6	.2[illegible]1	9
712-812	P2-01	.475	.383	.092	.000	7	26.4	-2016.85	-247.76	8021.15	-113.32	.412	9	.406	6
801-802	1[illegible]6-01	.400	.213	.018	.169	9	22.5	-54.12	27.30	-84.09	274.73	.319	8	.316	7
801-804	1[illegible]3-01	.474	.252	.012	.210	6	22.5	-64.10	-30.46	-71.92	-330.92	.383	7	.376	8
801-901	JL5-01	.357	.261	.012	.064	9	6.8	571.36	251.80	762.98	1727.68	.350	7	.159	6
801-903	2[illegible]-01	.552	.266	.001	.295	8	55.9	-224.06	27.08	-76.55	1605.45	.501	6	.256	9
802-803	166-01	.396	.213	.017	.166	9	0.0	-54.33	-35.18	-79.45	269.21	.311	7	.275	8
802-804	146-01	.120	.020	.012	.068	9	0.0	6.69	-8.65	33.13	-89.07	.117	7	.031	6
802-805	14[illegible]-01	.219	.045	.000	.174	6	0.0	-12.58	-6.79	-2.16	-164.50	.211	8	.129	7
803-805	165-01	.351	.165	.154	.012	8	0.0	-47.08	7.15	219.77	65.40	.252	9	.222	7
803-903	JL5-01	.443	.343	.006	.095	8	27.4	695.08	-156.02	-586.54	2434.62	.441	6	.243	9

6.08

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	/-------- CONTROLLING MEMBER ACTIONS -------- FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS -------/	/-NEXT TWO HIGH CASES-/ COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803- 905	200-01	.860	.601	.277	.002	6	0.0	-471.69	27.58	-1139.45	-105.86	.776	7	.665	8
804- 905	145-01	.220	.050	.000	.170	9	22.5	-15.69	-2.56	-.15	160.24	.210	7	.200	6
804- 906	165-01	.445	.271	.157	.034	7	22.5	-69.07	16.49	195.85	-108.64	.425	6	.301	8
805- 906	150-01	.257	.087	.124	.046	6	22.5	36.32	-10.98	201.47	123.10	.226	8	.176	7
806- 910	200-01	.847	.566	.168	.154	9	0.0	-429.01	-1.82	-972.51	-869.67	.697	7	.606	8
[illegible]	[illegible]	.527	.454	.055	.007	7	13.7	921.23	320.40	1723.29	563.69	.523	9	.494	6
810- 910	P2-01	.273	.193	.027	.058	9	27.4	-1395.17	531.13	-3654.02	-5338.67	.218	7	.131	8
811- 911	P2-01	.447	.325	.115	.006	8	27.4	-2220.26	-655.66	-10519.68	2373.74	.394	6	.319	9
812- 912	P2-01	.508	.367	.121	.000	7	27.4	-2637.24	628.50	-10500.65	-78.54	.442	9	.429	6
901- 902	149-01	.479	.340	.005	.150	6	26.4	-116.75	-9.00	-56.15	-321.48	.324	8	.262	7
901- 904	149-01	.515	.376	.008	.129	7	26.4	-129.94	-17.19	-63.35	-309.35	.367	9	.356	6
901-1001	[illegible]	.098	.002	.012	.065	6	0.0	3.14	67.75	-841.98	2246.28	.098	9	.095	7
901-1002	150-01	.452	.353	.005	.094	8	37.8	-237.50	73.13	-76.33	330.76	.381	6	.121	7
901-1004	150-01	.755	.643	.103	.009	7	37.8	-432.52	-25.92	-301.40	-91.39	.593	9	.476	6
902- 903	149-01	.431	.313	.001	.117	6	26.4	-107.67	20.57	-23.22	-278.68	.299	8	.247	7
902- 904	149-01	.110	.017	.012	.061	9	0.0	5.69	-10.21	31.85	-82.05	.106	7	.035	8
902- 905	149-01	.245	.045	.001	.197	6	0.0	-11.64	-6.21	-12.59	-186.48	.230	8	.142	7
903- 905	149-01	.661	.478	.165	.000	8	0.0	-164.12	9.21	263.72	-6.07	.650	9	.372	7
903-1002	150-01	.504	.362	.006	.134	6	0.0	-243.41	-22.12	-112.66	469.86	.413	8	.112	7
903-1003	[illegible]	.165	.052	.000	.116	8	0.0	104.77	-659.14	92.47	2889.64	.160	6	.160	9
903-1005	150-01	.914	.725	.191	.000	6	0.0	-486.06	2.64	-506.00	-2.99	.812	7	.700	8
904- 905	149-01	.232	.049	.000	.183	9	26.4	-12.69	.19	-5.76	172.64	.224	7	.202	6
904- 906	149-01	.579	.416	.150	.012	7	26.4	-143.46	25.14	249.58	-63.99	.327	6	.297	9
905- 906	149-01	.554	.427	.024	.062	9	26.4	-146.05	9.59	-91.05	-208.56	.518	8	.401	6
[illegible]-1004	150-01	.744	.552	.129	.034	9	0.0	-424.99	21.03	-411.29	-209.63	.639	7	.461	8
[illegible]-1005	150-01	.854	.712	.119	.003	8	37.8	-476.57	17.62	-522.70	53.69	.768	9	.674	6
[illegible]-1006	[illegible]	.144	.055	.009	.080	9	0.0	-107.20	102.98	-694.87	-2088.61	.142	7	.109	6
910-1010	P3-01	.555	.167	.340	.027	9	27.4	-1418.24	997.19	30912.51	-8716.77	.491	7	.177	8
911-1011	P3-01	.650	.264	.554	.002	8	27.4	-2242.84	-2084.18	51260.69	3066.35	.801	6	.542	9
912-1012	P3-01	.993	.515	.661	.000	7	27.4	-2655.67	146.28	59645.00	-30.12	.902	9	.606	6
1001-1002	200-01	.341	.274	.009	.037	9	0.0	-219.78	-27.78	119.29	-259.65	.279	7	.210	6
1001-1004	200-01	.341	.278	.070	.044	9	0.0	-207.67	-65.80	490.55	-421.81	.334	7	.213	6
1002-1003	200-01	.559	.452	.061	.036	8	30.5	-556.72	66.98	367.83	332.32	.427	6	.363	9
1002-1004	140-01	.159	.002	.111	.057	6	0.0	1.11	30.44	-215.09	-124.98	.149	8	.133	7
1002-1005	140-01	.155	.017	.141	.000	7	0.0	-6.34	-23.24	-236.59	1.87	.154	6	.143	9
1003-1005	200-01	.604	.455	.146	.004	8	0.0	-340.36	20.74	665.45	-125.61	.462	6	.423	9
1004-1005	140-01	.113	.031	.062	.019	8	0.0	-11.60	23.50	-119.71	66.71	.105	6	.091	9
1004-1006	200-01	.674	.524	.139	.011	7	30.5	-592.75	27.52	609.24	-202.57	.584	6	.472	9
1005-1006	200-01	.652	.506	.145	.001	7	30.5	-579.17	26.11	616.05	59.08	.596	6	.459	9

6.09

6.4 JOINT DEFLECTIONS AND ROTATIONS

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

L[illegible] CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	3.24241	7.61371	-.12137	.00095	-.00057	.00209	
102	3.24354	6.64107	-.26521	.00080	-.00032	.00599	
103	3.24446	5.66521	-.24155	.00105	-.00021	.00682	
104	2.43[illegible]66	7.12658	-.07709	.00116	-.00064	.00607	
105	2.34964	6.15149	-.15380	.00090	-.00016	.00519	
106	1.55[illegible]6	6.63733	.06922	.00092	-.00068	.00639	
201	3.32545	7.79479	-.11974	.00102	-.00039	.00195	
202	3.31457	6.82078	-.27790	.00055	-.00033	.00592	
203	3.30445	5.86457	-.24005	.00108	-.00037	.00687	
204	2.49543	7.29342	-.11711	.00100	-.00068	.00589	
205	2.44431	6.34573	-.20600	.00072	-.00029	.00481	
206	1.7[illegible]	6.81936	.09340	.00134	-.00071	.00643	
301	3.35571	7.81715	-.11577	-.00160	-.00018	.00176	
303	3.35649	5.86114	-.23947	-.00224	-.00026	.00718	
305	1.80256	6.85390	.09840	-.00211	-.00048	.00635	
401	3.27645	6.26401	-.09768	-.00359	.00103	.00339	
403	3.26[illegible]07	4.25654	-.23564	-.00216	.00068	.00521	
405	1.75243	5.19756	.12232	-.00207	.00062	.00548	
501	3.25[illegible]04	6.12678	-.08937	-.00249	.00036	.00359	
502	3.26[illegible]09	5.12346	-.15627	-.00050	-.00071	.00579	
503	3.20725	4.11739	-.19865	-.00145	.00074	.00514	
504	2.44524	5.59700	-.07217	.00104	.00094	.00524	
505	2.43[illegible]41	4.63956	-.08503	.00168	-.00084	.00515	
506	1.7024[illegible]	5.10113	.07944	-.00161	.00052	.00546	
507	3.2[illegible]37[illegible]	6.21040	-.07155	-.00249	.00055	.00357	
508	3.33[illegible]7[illegible]	4.01836	-.16668	-.00145	.00074	.00514	
509	1.57406	5.10765	.04117	-.00161	.00052	.00545	
510	3.22632	6.08820	-.08929	-.00392	.00142	.00328	
511	3.27165	4.10262	-.23758	-.00192	.00042	.00522	
512	1.[illegible]52	5.[illegible]477	.12[illegible]23	-.00164	.00063	.00547	
513	3.32245	6.25229	-.06279	-.00127	-.00004	.00419	
514	3.35765	3.96368	-.11465	-.00116	.00158	.00487	
601	3.24745	6.93074	-.07777	-.00133	.00017	.00376	
603	3.2514[illegible]	3.94378	-.16123	-.00066	.00065	.00505	
605	1.6[illegible]44	5.00721	.03228	-.00118	.00042	.00541	
611	3.[illegible]26	6.[illegible]3290	-.03983	-.00035	-.00013	.00421	
612	3.31446	6.24229	-.25810	.00545	.00003	.00524	
613	3.62414	3.99501	-.12789	-.00024	.00032	.00650	
641	3.26242	5.99997	-.06874	-.00070	.00005	.00377	
642	3.27947	5.19171	-.14977	-.00167	-.00012	.00456	
643	3.23947	3.91065	-.12762	-.00030	.00061	.00504	
644	2.[illegible]51	5.72175	-.00632	.00022	.00055	.00529	
645	2.30724	4.46067	-.09737	.00040	-.00037	.00507	
646	1.51[illegible]5	4.93709	-.01118	-.00094	.00037	.00537	
651	3.20013	5.99950	-.06194	-.00047	.00011	.00370	
653	3.23027	3.84037	-.09529	-.00029	.00060	.00507	
655	1.42[illegible]45	4.67843	-.05255	-.00085	.00035	.00533	
661	3.53400	6.00109	-.03953	-.00058	.00035	.00315	

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STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
602	3.55501	7.00287	-.25815	.00448	.00039	.00509	
603	3.50655	3.54163	-.11765	.00043	.00076	.00728	
701	3.26749	5.00499	-.05560	-.00048	.00024	.00349	
702	3.25751	4.85092	-.17245	-.00045	-.00020	.00486	
703	3.21745	3.74695	-.05494	-.00054	.00061	.00517	
704	2.87550	5.90665	-.15556	.00019	-.00017	.00495	
705	2.29468	4.27606	-.16364	.00041	.00019	.00545	
706	1.51498	4.81558	-.10019	-.00065	.00028	.00528	
707	3.53200	6.17655	-.05501	-.00048	.00024	.00348	
708	3.25250	3.64297	-.03594	-.00054	.00061	.00514	
709	1.19522	4.81652	-.12034	-.00065	.00029	.00528	
710	2.61402	4.85494	-.06642	-.00517	.00290	.00261	
711	3.56415	3.42102	-.25295	-.00133	.00024	.00524	
712	1.25495	4.70753	.17613	-.00096	.00064	.00533	
801	3.14613	5.77591	-.07811	-.00191	.00115	.00278	
802	3.13761	4.40442	-.05016	-.00175	.00025	.00497	
803	3.12143	3.05410	.29563	-.00239	.00098	.00507	
804	1.94026	5.05408	-.32658	-.00052	.00048	.00473	
805	1.99665	3.72866	-.23523	-.00029	.00036	.00552	
806	.90529	4.56008	-.35101	-.00195	.00030	.00528	
807	3.10526	5.84006	-.07925	-.00191	.00115	.00279	
808	3.10412	2.93849	.25392	-.00239	.00098	.00507	
809	.76555	4.39866	-.39760	-.00195	.00080	.00524	
810	1.70132	3.25696	-.05320	-.00544	.00324	.00214	
811	3.20824	2.71962	-.28240	-.00169	.00160	.00492	
812	.70116	4.29011	.19491	-.00211	.00050	.00514	
901	2.76101	5.15947	-.06122	-.00256	.00127	.00249	
902	2.82117	3.61979	.10044	-.00210	.00050	.00525	
903	2.07606	1.92474	.44599	-.00268	.00157	.00482	
904	1.64405	4.50676	-.42367	-.00130	.00112	.00468	
905	1.40465	2.35549	-.17227	-.00078	.00066	.00558	
906	.25044	3.65598	-.61249	-.00268	.00147	.00469	
907	.79554	5.21961	-.05948	-.00236	.00127	.00249	
908	2.94267	1.45886	.50907	-.00269	.00157	.00478	
909	.15176	3.64870	-.65211	-.00269	.00147	.00467	
910	.77316	1.60502	-.00059	-.00471	.00265	.00205	
911	2.72069	1.97333	-.23401	-.00114	.00149	.00453	
912	.39052	3.52706	.17083	-.00193	.00028	.00448	
1001	2.52002	4.57032	-.04699	-.00212	.00082	.00250	
1002	2.51728	2.81611	.19717	-.00266	.00089	.00558	
1003	2.39968	.96652	.61114	-.00214	.00187	.00407	
1004	.99560	3.09522	-.44002	-.00237	.00221	.00543	
1005	.96651	1.92159	.00860	-.00133	.00116	.00495	
1006	-.53625	2.67524	-.78660	-.00305	.00197	.00417	
1007	2.55205	4.62896	-.03872	-.00211	.00082	.00244	
1008	2.44605	.88744	.67611	-.00214	.00187	.00402	
1009	-.62901	2.67745	-.86280	-.00304	.00198	.00413	
1010	-.50208	-.10514	-.02456	.00041	-.00295	.00272	OBLIQUE
1010	.10407	.46522	-.04152	-.00314	.00133	.00219	GLOBAL

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STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	.10269	-2.40906	.25213	.00587	.00051	.00378	OBLIQUE
1011	2.04275	1.29751	-.14757	-.00283	.00515	.00381	GLOBAL
1012	.12490	2.99395	-.32442	-.00420	.00058	.00372	OBLIQUE
1012	.12490	2.51335	.09000	-.00620	-.00004	.00376	GLOBAL

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	.16808	8.20119	-.19266	.00104	-.00019	-.00198	
102	.16940	7.92055	-.26473	.00089	.00011	.00183	
103	.17078	7.63649	-.16773	.00117	.00018	.00389	
104	-.07408	8.06106	-.09761	.00126	-.00025	.00232	
105	-.07614	7.77706	-.10732	.00093	.00025	.00123	
106	-.32209	7.91507	.10790	.00094	-.00064	.00130	
201	.16223	8.40350	-.19125	.00120	-.00002	-.00213	
202	.17131	8.11739	-.27746	.00064	.00010	.00174	
203	.16038	7.86015	-.16522	.00125	.00002	.00398	
204	-.04353	8.24066	-.14118	.00105	-.00030	.00210	
205	-.04510	7.99161	-.16163	.00073	.00015	.00075	
206	-.22875	8.10532	.10890	.00147	-.00038	.00129	
301	.16028	8.39559	-.16671	-.00265	-.00003	-.00204	
303	.16823	7.69379	-.16592	-.00235	.00022	.00446	
306	-.16349	8.12988	.11840	-.00271	-.00054	.00102	
401	.19646	6.37779	-.18212	-.00385	.00049	-.00035	
403	.09150	6.02729	-.16378	-.00352	-.00046	.00177	
405	.05379	6.07805	.14645	-.00247	.00002	.00056	
501	.17458	6.19502	-.15563	-.00264	.00020	-.00021	
502	.14727	6.00107	-.13110	-.00061	.00008	.00093	
503	.11659	5.86239	-.13900	-.00228	-.00019	.00161	
504	.05546	6.05069	-.09457	.00143	.00133	.00067	
505	.04684	5.93625	-.06020	.00146	-.00098	.00023	
506	.04417	5.96331	.09596	-.00191	.00016	.00055	
507	.17258	6.20230	-.12643	-.00264	.00020	-.00021	
508	.13753	5.83863	-.11619	-.00226	-.00019	.00161	
509	.03147	5.97138	.05058	-.00191	.00016	.00056	
510	.16073	6.16614	-.17829	-.00367	.00083	-.00042	
511	.13301	5.83322	-.16307	-.00333	-.00063	.00182	
512	.04801	5.95609	.14834	-.00194	.00001	.00054	
513	.17715	6.20023	-.08862	-.00206	-.00060	.00030	
514	.14134	5.82408	-.08973	-.00132	.00052	.00109	
601	.16865	6.03429	-.12484	-.00173	-.00003	-.00005	
603	.15432	5.72801	-.11649	-.00115	.00003	.00144	
605	.02779	5.65264	.04183	-.00137	.00030	.00055	
611	.16761	6.05572	-.03955	-.00083	-.00016	-.00092	
612	.20909	7.31871	-.23200	.00579	-.00003	.00078	
613	.21044	5.72946	-.07336	-.00025	.00013	.00232	
641	.17067	5.93505	-.09724	-.00112	-.00014	-.00001	
642	.15497	6.12695	-.12715	-.00137	.00013	.00014	
643	.13793	5.65538	-.09719	-.00057	.00014	.00140	
644	.19926	5.99986	-.03800	.00029	.00068	.00072	
645	-.08106	5.53064	-.09267	-.00008	-.00100	.00080	
646	-.00941	5.77138	-.00771	-.00106	.00035	.00052	
651	.17894	5.80674	-.07146	-.00069	-.00015	-.00004	
653	.15607	5.60777	-.07922	-.00044	.00017	.00144	
655	-.03997	5.70359	-.05480	-.00099	.00032	.00048	
661	.16470	5.80850	-.03916	-.00065	-.00020	-.00158	

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S T R A N - J O I N T   D E F L E C T I O N S   A N D   R O T A T I O N S

LOAD CONDITION NO. 7

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
602	.20005	6.12200	-.23205	.00467	-.00002	.00063	
603	.21550	5.60952	-.07390	-.00021	.00019	.00297	
701	.10707	5.79455	-.04110	-.00086	-.00014	-.00017	
702	.10101	5.66006	-.16568	-.00059	-.00005	.00050	
703	.13518	5.54805	-.05689	-.00060	.00018	.00160	
704	.05572	5.71418	-.17301	.00025	-.00007	.00021	
705	.04475	5.56091	-.15999	.00036	.00019	.00095	
706	-.00701	5.62679	-.10935	-.00102	.00018	.00041	
707	.10474	5.79415	-.02792	-.00086	-.00014	-.00018	
708	.15437	5.51807	-.04599	-.00060	.00018	.00158	
709	-.07701	5.62999	-.13363	-.00102	.00017	.00043	
710	-.27253	4.95152	-.18866	-.00410	.00165	-.00078	
711	.59107	4.71861	-.18965	-.00364	-.00150	.00213	
712	.02558	5.57348	.20893	-.00116	-.00001	.00042	
801	.20254	5.31945	.08381	-.00220	.00002	-.00072	
802	.17407	5.12501	-.02152	-.00190	.00005	.00065	
803	.14544	4.96329	.11804	-.00259	.00007	.00189	
804	.04908	5.19105	-.27240	-.00048	.00002	.00011	
805	.05913	5.03996	-.29811	-.00064	-.00019	.00091	
806	-.14003	5.08859	-.41727	-.00240	-.00029	.00049	
807	.19159	5.31554	.10942	-.00221	.00002	-.00069	
808	.16750	4.93451	.15002	-.00259	.00007	.00188	
809	-.15245	5.09700	-.47458	-.00240	-.00029	.00046	
810	-.73651	3.56755	-.16646	-.00426	.00114	-.00103	
811	.97408	3.40569	-.16484	-.00404	-.00059	.00212	
812	.00008	4.98275	.22525	-.00260	-.00005	.00048	
901	.13177	4.41405	.23797	-.00302	-.00007	-.00068	
902	.15518	4.19058	.15827	-.00248	.00001	.00086	
903	.17419	3.89201	.26063	-.00300	.00026	.00164	
904	.01159	4.20606	-.33094	-.00131	.00036	.00002	
905	-.00131	4.09579	-.31637	-.00126	-.00025	.00081	
906	.00847	4.13009	-.71834	-.00319	.00010	.00029	
907	.12170	4.41322	.27451	-.00303	-.00006	-.00067	
908	.19921	3.86776	.30081	-.00300	.00026	.00162	
909	.00109	4.19752	-.80101	-.00319	.00010	.00030	
910	-1.35097	2.22856	-.16328	-.00359	.00062	-.00081	
911	1.14174	2.08274	-.14720	-.00316	-.00049	.00157	
912	.00169	4.05601	.19096	-.00230	-.00004	.00030	
1001	.23046	3.30063	.34830	-.00315	-.00043	-.00044	
1002	.15614	3.23797	.30540	-.00336	.00004	.00064	
1003	.07718	2.96028	.36159	-.00240	.00045	.00133	
1004	-.00905	3.32761	-.35075	-.00244	.00103	.00065	
1005	-.01408	3.15060	-.17795	-.00207	-.00035	.00025	
1006	-.16034	3.07927	-.92039	-.00345	.00073	.00040	
1007	.22401	3.36098	.39521	-.00315	-.00043	-.00046	
1008	.08574	2.95911	.40011	-.00240	.00045	.00134	
1009	-.10600	3.08184	-1.00415	-.00345	.00073	.00039	
1010	-.42301	-1.40050	.13502	.00367	-.00223	-.00006	OBLIQUE
1010	-1.00555	1.06583	-.09715	-.00367	-.00223	-.00043	GLOBAL

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	.37579	-1.46275	.14826	.00366	.00184	.00102	OBLIQUE
1011	1.05159	1.05131	-.09457	-.00326	.00235	.00131	GLOBAL
1012	-.00010	2.86911	-.37729	-.00706	.00000	.00027	OBLIQUE
1012	-.00010	2.89210	.04952	-.00706	-.00004	.00026	GLOBAL

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STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	-3.10440	-7.33309	-.03829	-.00101	.00035	-.00045	
102	-3.10228	-6.69806	-.05150	-.00117	.00029	-.00405	
103	-3.09990	-6.05652	.06584	-.00106	.00028	-.00480	
104	-2.55059	-7.01605	-.22923	-.00090	.00025	-.00398	
105	-2.54905	-6.37765	-.15559	-.00063	.00051	-.00317	
106	-1.99570	-6.69975	-.24391	-.00077	.00087	-.00515	
201	-3.17707	-7.51110	-.03600	-.00105	.00020	-.00032	
202	-3.10213	-6.87400	-.09571	-.00112	.00027	-.00397	
203	-3.15260	-6.25334	.06727	-.00125	.00052	-.00484	
204	-2.53519	-7.17802	-.24545	-.00087	.00009	-.00377	
205	-2.53423	-6.56706	-.21909	-.00064	.00029	-.00275	
206	-2.15790	-6.46644	-.24204	-.00104	.00060	-.00521	
301	-3.14476	-7.53539	-.03332	.00171	.00014	.00004	
303	-3.23167	-6.24323	.07626	.00255	.00033	-.00516	
305	-2.22615	-6.49558	-.24049	.00226	.00018	-.00505	
401	-3.13904	-5.99476	-.03382	.00351	-.00099	-.00214	
403	-3.12435	-4.47256	.09423	.00238	-.00058	-.00387	
405	-2.15215	-5.10329	-.24344	.00223	-.00057	-.00426	
501	-3.10702	-5.45059	-.04507	.00246	-.00055	-.00234	
502	-3.11174	-5.09572	-.03021	.00044	.00055	-.00441	
503	-3.11127	-4.33545	.05550	.00162	-.00035	-.00380	
504	-2.51012	-5.44547	-.10094	-.00090	-.00110	-.00385	
505	-2.50363	-4.73902	-.09651	-.00160	.00094	-.00376	
506	-1.95592	-5.07796	-.20058	.00177	-.00071	-.00423	
507	-3.13702	-5.96643	-.06154	.00246	-.00054	-.00232	
508	-3.15946	-4.26457	.02333	.00162	-.00065	-.00380	
509	-1.85319	-5.06504	-.15837	.00177	-.00071	-.00423	
510	-3.05658	-5.81425	-.03978	.00379	-.00134	-.00205	
511	-3.11579	-4.31824	.09858	.00217	-.00030	-.00390	
512	-1.47555	-5.07204	-.24175	.00177	-.00092	-.00426	
513	-3.15766	-5.93703	-.07503	.00155	.00016	-.00294	
514	-3.17607	-4.22443	-.03422	.00132	-.00163	-.00349	
601	-2.69994	-5.74157	-.05755	.00137	-.00015	-.00252	
603	-3.09220	-4.21415	.01635	.00081	-.00061	-.00373	
606	1.65575	-4.97466	-.15308	.00127	-.00055	-.00418	
611	5.30592	-5.74302	-.14392	.00054	-.00017	-.00292	
612	-3.37245	-6.24014	-.23201	-.00523	-.00004	-.00387	
613	-3.30042	-4.21565	-.00068	.00045	.00005	-.00537	
641	-3.10921	-5.69400	-.00845	.00075	-.00003	-.00254	
642	-3.09297	-5.10627	-.02699	.00168	.00005	-.00328	
643	-3.07498	-4.13491	-.01875	.00043	-.00059	-.00373	
644	-2.75307	-5.49500	-.16134	-.00006	-.00064	-.00405	
645	-2.45349	-4.50814	-.06977	-.00034	.00042	-.00380	
646	-1.79725	-4.89804	-.10998	.00100	-.00046	-.00415	
651	-3.11810	-5.67821	-.07609	.00052	-.00012	-.00249	
653	-3.05871	-4.06956	-.05252	.00041	-.00058	-.00378	
656	-1.71919	-4.83835	-.06920	.00090	-.00040	-.00411	
661	-3.29978	-5.67965	-.13406	.00117	-.00067	-.00182	

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LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
602	-3.31245	-6.96203	-.23205	-.00415	-.00039	-.00377	
603	-3.32455	-4.07093	-.06953	.00026	-.00049	-.00617	
701	-3.11725	-5.66659	-.08436	.00050	-.00027	-.00229	
702	-3.08206	-4.80062	-.17409	-.00021	.00018	-.00358	
703	-3.04115	-3.98315	-.09377	.00062	-.00057	-.00391	
704	-2.38187	-5.21451	-.17429	.00025	-.00049	-.00368	
705	-2.35513	-4.38998	-.16851	.00001	.00044	-.00418	
706	-1.63860	-4.76619	-.02198	.00093	-.00034	-.00408	
707	-3.14571	-5.71522	-.08467	.00050	-.00027	-.00229	
708	-3.08899	-3.90543	-.11305	.00063	-.00057	-.00387	
709	-1.53572	-4.76927	.00015	.00093	-.00034	-.00408	
710	-2.44595	-4.57691	-.04761	.00465	-.00268	-.00148	
711	-3.21438	-3.59994	.15742	.00168	-.00010	-.00403	
712	-1.46495	-4.72372	-.27654	.00162	-.00104	-.00419	
801	-2.94253	-5.36567	-.07080	.00195	-.00118	-.00165	
802	-2.92847	-4.33523	-.36929	.00098	-.00027	-.00366	
803	-2.90835	-3.30962	-.35898	.00236	-.00096	-.00390	
804	-2.07915	-4.82610	-.06858	.00100	-.00125	-.00349	
805	-2.06903	-3.82812	-.16109	.00077	.00050	-.00423	
806	-1.27103	-4.31150	.22354	.00203	-.00076	-.00413	
807	-2.96568	-5.40751	-.06945	.00196	-.00119	-.00167	
808	-2.95715	-3.25844	-.40655	.00236	-.00096	-.00390	
809	-1.17641	-4.31878	.27168	.00203	-.00077	-.00409	
810	-1.62911	-3.06400	-.03962	.00504	-.00298	-.00111	
811	-3.07634	-2.83895	.17045	.00204	-.00141	-.00381	
812	-.93608	-4.22913	-.27819	.00214	-.00093	-.00408	
901	-2.53240	-4.69361	-.09217	.00234	-.00130	-.00148	
902	-2.50725	-3.54972	-.43050	.00168	-.00051	-.00390	
903	-2.53746	-2.26085	-.59898	.00264	-.00151	-.00377	
904	-1.60161	-4.11949	.10322	.00156	-.00148	-.00341	
905	-1.59166	-2.96260	-.14822	.00106	-.00029	-.00426	
906	-.72633	-3.56105	.47977	.00274	-.00143	-.00365	
907	-.55523	-4.73311	-.09315	.00234	-.00130	-.00148	
908	-2.69709	-2.19623	-.66025	.00264	-.00150	-.00373	
909	-.61877	-3.57672	.55062	.00274	-.00143	-.00363	
910	-.75717	-1.57345	-.02710	.00434	-.00240	-.00112	
911	-2.03622	-2.03794	.14102	.00145	-.00129	-.00354	
912	-.46797	-3.46513	-.23742	.00197	-.00066	-.00351	
1001	-2.25166	-4.04807	-.10565	.00218	-.00087	-.00159	
1002	-2.25259	-2.74301	-.35608	.00279	-.00088	-.00419	
1003	-2.14065	-1.35006	-.76317	.00220	-.00190	-.00315	
1004	-1.12107	-3.39575	.29312	.00234	-.00210	-.00411	
1005	-1.11201	-2.07362	-.14296	.00136	-.00120	-.00360	
1006	.02468	-2.60010	.65571	.00298	-.00164	-.00322	
1007	-2.27359	-4.06869	-.11373	.00217	-.00087	-.00154	
1008	-2.17662	-1.29009	-.82457	.00220	-.00190	-.00312	
1009	.09375	-2.60202	.72816	.00298	-.00165	-.00319	
1010	.47504	.05302	-.03529	-.00026	.00262	-.00186	OBLIQUE
1010	-.10663	-.44075	-.02905	.00280	-.00132	-.00137	GLOBAL

6.18

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	-.13766	2.35290	-.31854	-.00580	-.00066	-.00289	OBLIQUE
1011	-1.95597	-1.30678	.07282	.00305	-.00494	-.00296	GLOBAL
1012	-.14679	-2.44125	.26389	.00610	-.00070	-.00283	OBLIQUE
1012	-.14679	-2.45141	-.14104	.00610	-.00022	-.00290	GLOBAL

6.19

S T R A N - J O I N T   D E F L E C T I O N S   A N D   R O T A T I O N S

LOAD CONDITION NO. 9

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DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.06875	-7.75317	.03448	-.00111	-.00005	.00196	
102	.09077	-7.67508	-.05175	-.00125	-.00013	-.00053	
103	.09276	-7.59319	-.00713	-.00117	-.00012	-.00235	
104	.15957	-7.71570	-.20827	-.00100	-.00016	-.00098	
105	.16030	-7.65605	-.20546	-.00069	.00010	-.00019	
106	.22030	-7.67665	-.20671	-.00079	.00052	.00013	
201	.09422	-7.95127	.03597	-.00121	-.00020	.00205	
202	.10547	-7.86923	-.09507	-.00121	-.00016	-.00044	
203	.11205	-7.81249	-.00570	-.00140	.00010	-.00242	
204	.14597	-7.89297	-.21963	-.00071	-.00031	-.00079	
205	.14716	-7.84360	-.25864	-.00070	-.00016	.00022	
206	.15408	-7.85891	-.26468	-.00118	.00015	.00015	
301	.11500	-7.96615	.03923	.00226	.00009	.00227	
303	.11047	-7.84319	.00265	.00219	-.00014	-.00266	
305	.12496	-7.89595	-.26439	.00251	.00045	.00043	
401	.02897	-6.09596	.05408	.00362	-.00041	.00106	
403	.15869	-6.08264	.02051	.00324	.00062	-.00081	
405	-.10272	-5.97733	-.26894	.00246	-.00002	.00036	
501	.05069	-5.91355	.02603	.00267	-.00013	.00093	
502	.10705	-5.89051	-.05090	.00067	-.000[illegible]	.00005	
503	.12540	-5.92895	-.00367	.00223	.00035	-.00066	
504	.03240	-5.85957	-.08128	-.00133	-.00141	.00028	
505	.14067	-5.91534	-.12052	-.00131	.00105	.00072	
506	-.10144	-5.86172	-.22002	.00194	-.00015	.00035	
507	.10170	-5.91013	-.00250	.00267	-.00015	.00094	
508	.11841	-5.92048	-.02323	.00223	.00033	-.00067	
509	-.11039	-5.87014	-.17406	.00194	-.00015	.00035	
510	.00267	-5.89090	.05318	.00364	-.00072	.00113	
511	.11165	-5.89871	.02316	.00350	.00097	-.00088	
512	-.10427	-5.85509	-.26619	.00194	-.00004	.00037	
513	.00117	-5.90216	-.04903	.00196	.00098	.00038	
514	.12016	-5.92117	-.05490	.00153	-.00058	-.00011	
601	.05048	-5.75802	-.00600	.00166	.00010	.00079	
603	.10703	-5.80555	-.02625	.00117	.00004	-.00051	
606	-.05925	-5.74947	-.16745	.00138	-.00029	.00035	
611	.10193	-5.76028	-.12522	.00093	-.00008	.00188	
612	.09371	-7.23375	-.21920	-.00553	.00005	.00016	
613	.08549	-5.00723	-.10600	.00059	.00019	-.00160	
641	.05592	-5.65512	-.03602	.00110	.00019	.00076	
642	.10554	-6.03048	-.04294	.00127	-.00021	.00073	
643	.10494	-5.74009	-.04572	.00062	-.00009	-.00049	
644	-.12431	-5.77657	-.12894	-.00023	-.00067	.00013	
645	.13915	-5.63853	-.08609	.00013	.00103	.00011	
646	-.00991	-5.66761	-.11953	.00108	-.00035	.00037	
651	.04950	-5.57852	-.06357	.00090	.00018	.00079	
653	.10773	-5.69772	-.06400	.00051	-.00011	-.00055	
656	-.04933	-5.59958	-.07403	.00099	-.00033	.00040	
661	.10161	-5.58015	-.12543	.00115	-.00004	.00257	

6.20

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

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LOAD CONDITION NO. 9

U.S. NAVY - ACMP PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
652	.06687	-7.99123	-.21921	-.00429	.00005	.00029	
653	.07213	-5.69933	-.10412	.00079	.00013	-.00226	
701	.04569	-5.49718	-.09552	.00085	.00014	.00093	
702	.07817	-5.55462	-.17078	-.00009	.00001	.00039	
703	.11037	-5.64451	-.08811	.00064	-.00012	-.00072	
704	.01363	-5.51098	-.15296	.00015	-.00056	.00066	
705	.02153	-5.57497	-.16937	.00005	.00043	-.00007	
706	-.03176	-5.52118	-.02100	.00106	-.00021	.00045	
707	.05094	-5.48152	-.10853	.00085	.00014	.00093	
708	.10195	-5.65212	-.09625	.00064	-.00012	-.00071	
709	-.04309	-5.52460	.00412	.00106	-.00021	.00043	
710	.46459	-4.71607	.07810	.00383	-.00147	.00148	
711	-.35248	-4.79424	.06365	.00381	.00158	-.00127	
712	-.09754	-5.47243	-.31269	.00116	-.00013	.00043	
801	.05065	-4.98654	-.22948	.00221	-.00003	.00145	
802	.05523	-5.01959	-.37114	.00107	-.00006	.00023	
803	.11445	-5.09433	-.26249	.00254	-.00003	-.00108	
804	.00944	-4.96979	-.12766	.00088	-.00069	.00076	
805	.02031	-5.05068	-.10121	.00107	.00066	-.00003	
806	-.10162	-4.98276	.27867	.00244	.00015	.00032	
807	.06590	-4.96547	-.25466	.00221	-.00013	.00141	
808	.10765	-5.06208	-.29303	.00254	-.00003	-.00106	
809	-.10836	-4.99142	.33674	.00244	.00035	.00034	
810	.69096	-3.41356	.09104	.00397	-.00093	.00169	
811	-.75555	-3.45523	.07105	.00426	.00076	-.00136	
812	-.07251	-4.86552	-.31343	.00259	-.00014	.00029	
901	.12070	-4.04865	-.39009	.00299	.00008	.00134	
902	.10861	-4.08609	-.48188	.00204	-.00001	.00005	
903	.09688	-4.06912	-.40234	.00295	-.00016	-.00112	
904	.01675	-4.02755	.00499	.00152	-.00071	.00084	
905	.02858	-4.12544	-.00399	.00151	.00065	.00014	
906	-.21494	-4.07226	.57438	.00323	-.00004	.00044	
907	.13948	-4.05404	-.42650	.00299	.00008	.00133	
908	.00108	-4.05935	-.43991	.00295	-.00016	-.00109	
909	-.22633	-4.06960	.65829	.00324	-.00004	.00042	
910	1.13865	-2.12633	.08286	.00326	-.00057	.00141	
911	-.95829	-2.09072	.05069	.00341	.00067	-.00120	
912	-.04046	-3.95976	-.26058	.00234	-.00016	.00038	
1001	.04597	-2.97933	-.50080	.00324	.00040	.00106	
1002	.11645	-3.14220	-.46129	.00348	-.00002	.00030	
1003	.16915	-3.19930	-.49914	.00241	-.00039	-.00070	
1004	.01338	-3.07615	.20931	.00239	-.00094	.00005	
1005	.02422	-3.16892	.04019	.00206	.00030	.00070	
1006	-.06310	-2.97950	.77438	.00333	-.00066	.00025	
1007	.05276	-2.96740	-.54801	.00324	.00040	.00107	
1008	.16467	-3.19129	-.53657	.00241	-.00039	-.00072	
1009	-.09166	-2.96149	.85530	.00333	-.00066	.00025	
1010	.39754	1.41263	-.20143	-.00377	.00193	.00064	OBLIQUE
1010	1.03724	-1.05713	.03371	.00344	.00237	.00094	GLOBAL

6.21

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	-.41510	1.32187	-.20385	-.00340	-.00202	-.00041	OBLIQUE
1011	-.95959	-1.02875	.01636	.00337	-.00199	-.00073	GLOBAL
1012	-.01391	-2.79403	.30994	.00686	-.00006	.00035	OBLIQUE
1012	-.01391	-2.80697	-.15361	.00686	-.00012	.00033	GLOBAL

6.22

6.5 REACTIONS

S T R A N - R E A C T I O N   F O R C E S   A N D   M O M E N T S

PAGE 1
DATE 08/27/76

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT	FORCE IN KIPS			MOMENT IN IN-KIPS			REMARKS
NUMBER	F-X	F-Y	F-Z	M-X	M-Y	M-Z	
1010	19.2720	24.9274	173.0628	1654.9136	13509.1337	-3020.3709	OBLIQUE
1010	-12.9904	-14.7548	174.8059	11145.3685	-8340.5975	-757.1427	GLOBAL
1011	-1.1206	434.1074	-1776.9111	51821.4078	-2673.0106	-4196.5492	OBLIQUE
1011	-623.5749	-361.0060	-1681.3026	-24210.4469	45859.5759	-4579.0662	GLOBAL
1012	-2.1860	-415.0458	2286.3604	-52278.4129	-2563.3298	-4129.7836	OBLIQUE
1012	-2.1860	-785.2720	2187.0192	-52278.4128	-1849.5207	-4495.0022	GLOBAL
TOTAL	-630.6813	-1161.0348	680.5224	-65343.4912	35669.4577	-9831.2112	

6.24

S T R A N - R E A C T I O N   F O R C E S   A N D   M O M E N T S

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	10.2825	286.4375	-951.5556	32099.4692	8544.9095	61.5492	OBLIQUE
1010	375.1549	-228.3124	-691.4790	-8748.9343	-32010.9584	1466.2444	GLOBAL
1011	-10.6725	293.7066	-1044.6472	34044.4334	-9016.2999	-1136.3542	OBLIQUE
1011	-394.4726	-239.9016	-942.3043	-9471.2595	33639.6669	-2603.9476	GLOBAL
1012	.1169	-460.4691	2658.9916	-59644.9980	-30.8560	-295.3496	OBLIQUE
1012	.1169	-691.3395	2547.1125	-59644.9980	18.1190	-296.4937	GLOBAL
TOTAL	-19.1866	-1359.5534	673.5292	-77865.1918	1846.6274	-1434.1069	

6.25

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-17.4794	-7.3109	269.6820	256.0022	-12565.9695	2063.6488	OBLIQUE
1010	-35.9634	40.9279	265.0034	-11159.1572	6140.1160	-31.4089	GLOBAL
1011	1.6917	-403.2098	2244.9640	-51260.9517	3070.3700	3207.0196	OBLIQUE
1011	663.4077	384.9192	2146.0625	23449.6903	-45651.3192	3668.3756	GLOBAL
1012	3.2653	426.0020	-1659.7717	50161.6003	3259.1052	3139.7341	OBLIQUE
1012	3.2655	727.9232	-1764.1044	50161.6002	2696.5925	3632.6082	GLOBAL
TOTAL	630.7296	1153.7702	646.9615	62452.5334	-36812.6107	7269.7749	

6.26

STRAN - REACTION FORCES AND MOMENTS

DATE 08/27/76

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-10.1516	-266.6526	1419.5875	-30912.4969	-8715.7297	-705.8213	OBLIQUE
1010	-426.7190	257.9039	1556.0614	8101.6249	31014.0621	-2129.8388	GLOBAL
1011	11.4204	-263.5023	1436.6553	-31351.5240	9193.0352	453.4543	OBLIQUE
1011	424.1163	257.8672	1373.7439	7877.2542	-31650.3564	1959.4202	GLOBAL
1012	.5241	480.7751	-2184.3445	56521.1877	240.6335	-385.2077	OBLIQUE
1012	.5240	633.3376	-2075.5852	56521.1877	308.5784	-339.0915	GLOBAL
TOTAL	-2.0786	1349.1067	654.2201	72500.0668	-327.7159	-509.5100	

6.27

SECTION 7.0

TUBULAR JOINT ANALYSIS

7.1 INTRODUCTION

This section contains the analysis of all of the tubular joints of the structure. The tubular joints are separated into two groups, the Primary Joints and the Secondary Joints.

The Primary Joints are those joints involving the jacket legs. Section 7.2 displays the joint geometry and location for each of the Primary Joints. This section serves as a key to Section 7.3, the computer analysis of the Primary Joints.

The Secondary Joints are those joints involving the interior bracing at each of the horizontal levels. Section 7.4 displays the joint geometry and location for each of the Secondary Joints. This section serves as a key to Section 7.5, the computer analysis of the Secondary Joints.

The computer program used for the tubular joint analysis of this structure is a post-processor program for STRAN developed by Crest Offshore, Inc. This program is based on AISC and API criteria for stress in tubular members.

Reference Drawings:

3016290 Jacket - Elevations

3016291 Jacket - Plan at El. (+) 12'-0"

3016292 Jacket - Plan at El. (-) 13'-0" & (-) 39'-0"

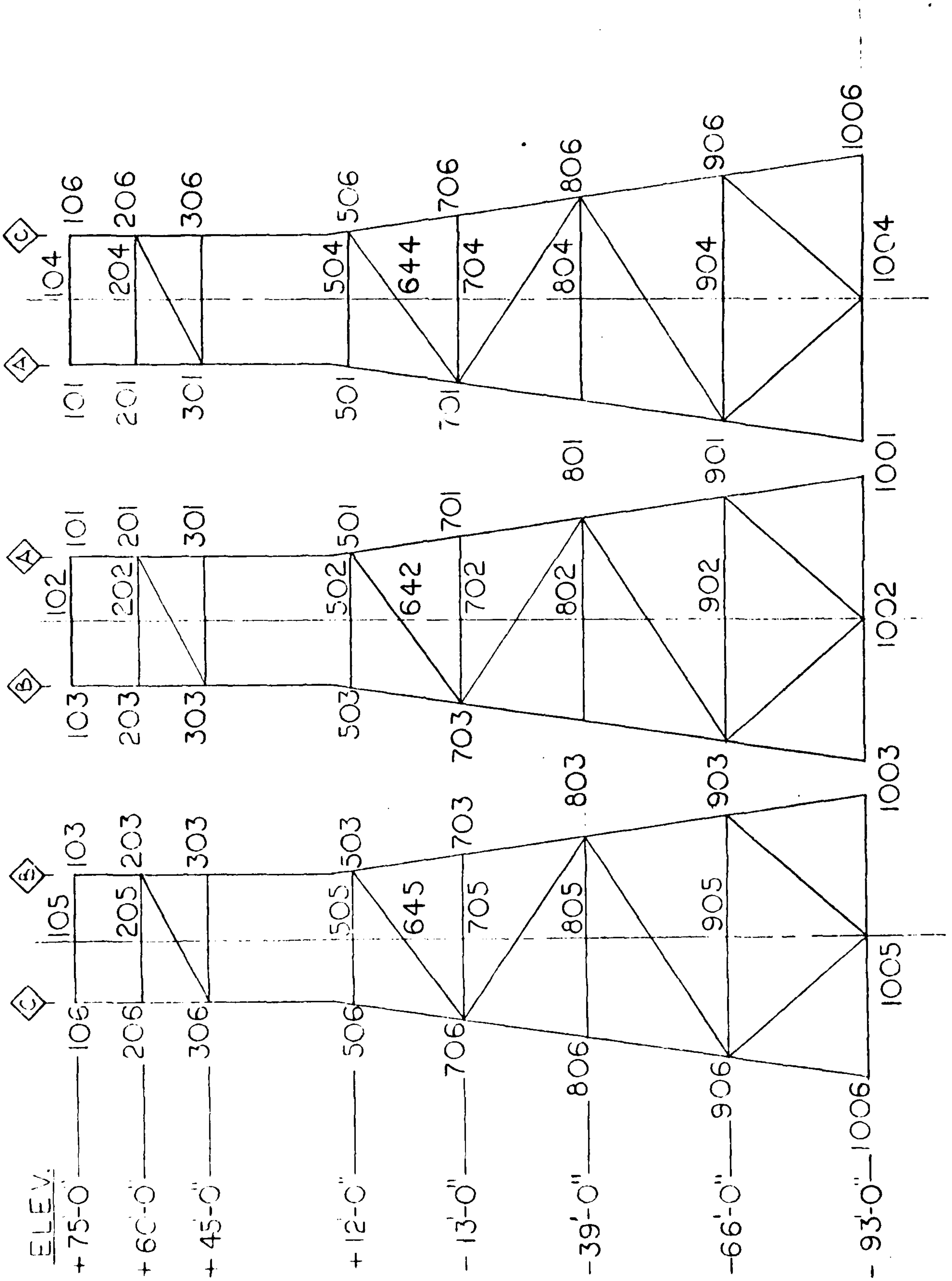
3016293	Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"
3016303	Superstructure - Elevations

CREST OFFSHORE, INC.

Sheet ____ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



JOINT GEOMETRY — PRIMARY JOINTS

CREST OFFSHORE, INC.

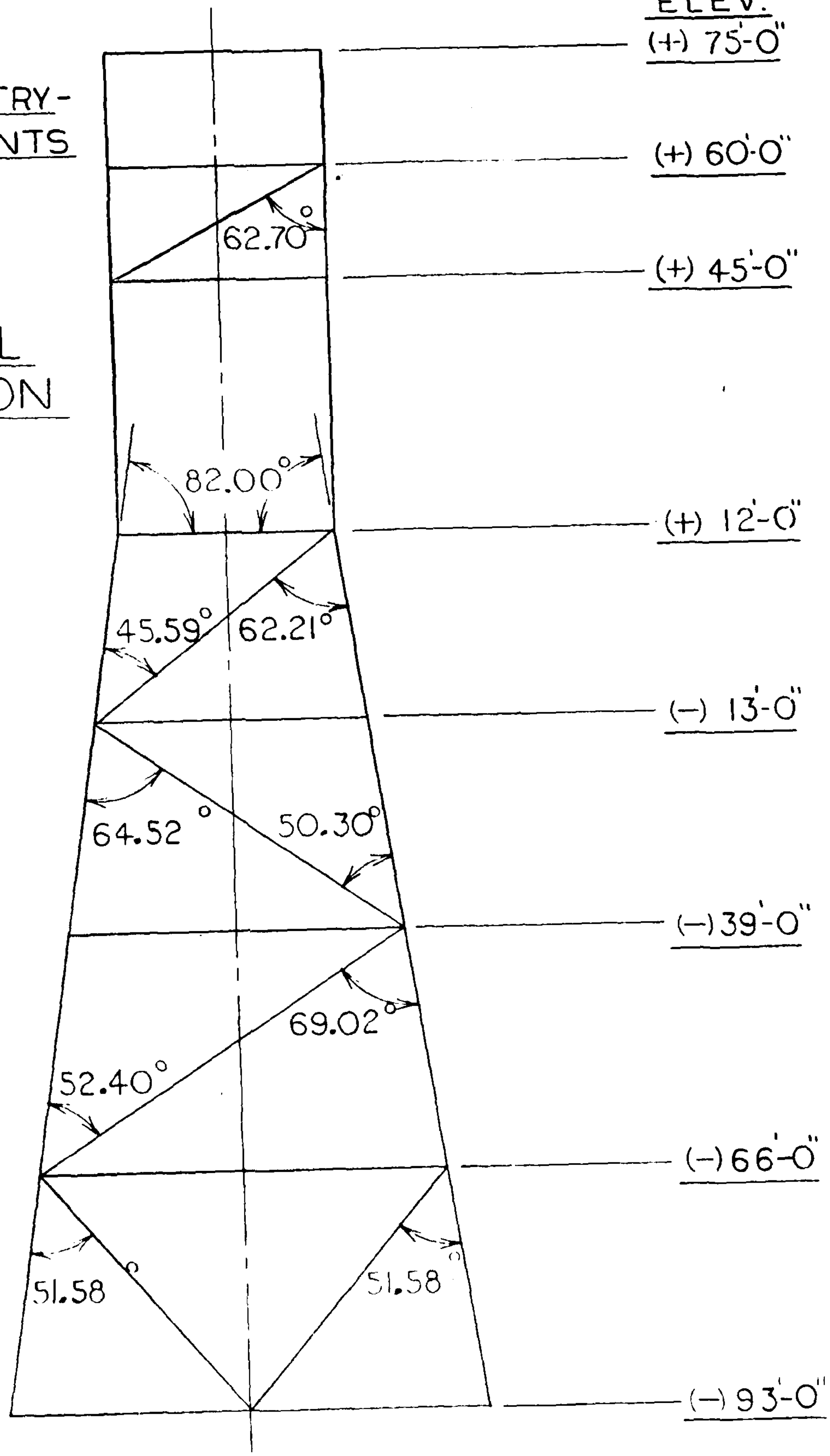
Sheet ____ of ____

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure

Date 7-29-76 Job No. 27-771-95 Calculation Tubular Joint Analysis

JOINT GEOMETRY-
PRIMARY JOINTS

TYPICAL
ELEVATION



7.3 PUNCHING SHEAR ANALYSIS - PRIMARY JOINTS

SAPCHK - CHEST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S,NAVY   27-771-01   93 FT MLW STRUCTURE   PRIMARY JOINTS

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30,000	1,250	1	-0,00	36
201	303	12,750	,500	1	62,70	36
203	303	30,000	1,250	1	-0,00	36
203	306	12,750	,500	1	62,70	36
206	306	30,000	1,250	1	-0,00	36
206	301	12,750	,500	1	62,70	36
201	301	30,000	1,250	2	-0,00	36
206	301	12,750	,500	2	62,70	36
301	306	12,750	,500	1	90,00	36
301	401	30,000	1,250	1	-0,00	36
301	306	12,750	,750	1	90,00	36
203	303	30,000	1,500	2	-0,00	36
201	303	12,750	1,000	2	62,70	36
301	303	12,750	,750	2	90,00	36
303	403	30,000	1,250	1	-0,00	36
301	303	12,750	,500	2	90,00	36
206	306	30,000	1,250	2	-0,00	36
203	306	12,750	,750	2	62,70	36
303	306	12,750	,750	2	90,00	36
306	406	30,000	1,250	1	-0,00	36
303	306	12,750	,750	2	90,00	36
[illegible]	[illegible]	[illegible]	1,750	2	-0,00	36
[illegible]	[illegible]	[illegible]	,750	1	81,62	36
[illegible]	[illegible]	[illegible]	,750	1	81,62	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62,34	36
[illegible]	[illegible]	[illegible]	1,750	1	-0,00	36
[illegible]	[illegible]	[illegible]	,750	1	81,62	36
[illegible]	[illegible]	[illegible]	,750	1	81,62	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62,34	36
[illegible]	[illegible]	[illegible]	1,750	2	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	,750	1	81,62	35
[illegible]	[illegible]	[illegible]	[illegible]	1	62,34	36
[illegible]	[illegible]	[illegible]	1,750	1	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	[illegible]	1	81,62	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62,34	36
[illegible]	[illegible]	[illegible]	1,750	2	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	[illegible]	1	62,34	36
[illegible]	[illegible]	[illegible]	1,750	1	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	,750	2	81,62	36
[illegible]	[illegible]	[illegible]	1,000	1	62,34	36
[illegible]	[illegible]	[illegible]	1,500	2	-0,00	36
[illegible]	[illegible]	[illegible]	,375	1	81,62	36
[illegible]	[illegible]	[illegible]	,750	2	35,62	36
[illegible]	[illegible]	[illegible]	,375	1	81,62	36
[illegible]	[illegible]	[illegible]	,750	1	64,87	36
[illegible]	[illegible]	[illegible]	[illegible]	1	-0,00	36
[illegible]	[illegible]	[illegible]	,375	1	81,62	36

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7.07

[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]	36
[illegible]	[illegible]	[illegible]	,375	1	81,82	36
[illegible]	[illegible]	[illegible]	,750	1	64,87	36
[illegible]	[illegible]	[illegible]	1,500	2	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	45,98	36
[illegible]	[illegible]	[illegible]	,375	2	81,82	36
[illegible]	[illegible]	[illegible]	,750	1	64,87	36
[illegible]	[illegible]	[illegible]	,375	1	81,82	36
[illegible]	[illegible]	[illegible]	1,500	1	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	45,98	36
[illegible]	[illegible]	[illegible]	,375	2	81,82	36
[illegible]	[illegible]	[illegible]	,750	1	64,87	36
[illegible]	[illegible]	[illegible]	,375	1	81,82	36
[illegible]	[illegible]	[illegible]	1,500	1	-0,00	36
[illegible]	[illegible]	[illegible]	,750	2	45,98	36
[illegible]	706	12,750	,375	2	81,82	36
706	803	20,000	,750	1	64,87	36
704	706	12,750	,375	2	81,82	36
[illegible]	706	47,000	1,500	2	-0,00	36
[illegible]	706	20,000	,750	2	45,98	36
705	706	12,750	,375	2	81,82	36
706	803	20,000	,750	1	64,87	36
704	706	12,750	,375	2	81,82	36
701	801	47,000	1,500	2	-0,00	36
801	804	12,750	,375	1	81,82	36
703	801	20,000	,750	2	50,50	36
801	802	12,750	,375	1	81,82	36
801	903	20,000	,750	1	69,03	36
801	901	47,000	1,500	1	-0,00	36
801	804	12,750	,375	1	81,82	36
703	801	20,000	,750	2	50,50	36
801	802	12,750	,375	1	81,82	36
801	903	20,000	,750	1	69,03	36
703	803	47,000	1,500	2	-0,00	36
802	803	12,750	,375	2	81,82	36
706	803	20,000	,755	2	50,50	36
803	805	12,750	,375	1	81,82	36
803	906	20,000	,755	1	69,03	36
803	903	47,000	1,500	1	-0,00	36
802	803	12,750	,375	2	81,82	36
706	803	20,000	,750	2	50,50	36
803	805	12,750	,375	1	81,82	36
803	906	20,000	,750	1	69,03	36
706	806	47,000	1,500	2	-0,00	36
805	806	12,750	,375	2	81,82	36
701	806	20,000	,750	2	50,50	36
804	806	12,750	,375	2	81,82	36
806	901	20,000	,750	1	69,03	36
806	906	47,000	1,500	1	-0,00	36
805	806	12,750	,375	2	81,82	36
701	806	20,000	,750	2	50,50	36
804	806	12,750	,375	2	81,82	36
806	901	20,000	,750	1	69,03	36
801	901	47,000	1,375	2	-0,00	36
806	901	20,000	,625	2	52,67	36
901	902	14,000	,500	1	81,82	36
901	904	14,000	,500	1	81,82	36
901	1004	16,000	,750	1	51,98	36
901	1002	16,000	,750	1	51,98	36
901	1001	47,000	1,375	1	-0,00	36
806	901	20,000	,625	2	52,67	36
901	902	14,000	,500	1	81,82	36
901	904	14,000	,500	1	81,82	36
901	1004	16,000	,750	1	51,98	36
901	1002	16,000	,750	1	51,98	36
803	903	47,000	1,375	2	-0,00	36

901	903	20,000	,500	2	52,67	36
902	903	14,000	,500	2	81,82	36
903	907	14,000	,500	1	81,82	36
903	1005	16,000	,750	1	51,98	36
903	1002	16,000	,750	1	51,98	36
903	1003	47,000	1,375	1	-0,00	36
801	903	20,000	,500	2	52,67	36
902	903	14,000	,500	2	81,82	36
903	905	14,000	,500	1	81,82	36
903	1005	16,000	,750	1	51,98	36
903	1002	16,000	,750	1	51,98	36
806	906	47,000	1,375	2	-0,00	36
803	906	20,000	,625	2	52,67	36
905	906	14,000	,500	2	81,82	36
904	906	14,000	,500	2	81,82	36
906	1005	16,000	,750	1	51,98	36
906	1004	16,000	,750	1	51,98	36
906	1006	47,000	1,375	1	-0,00	36
803	906	20,000	,625	2	52,67	36
905	906	14,000	,500	2	81,82	36
904	906	14,000	,500	2	81,82	36
906	1005	16,000	,750	1	51,98	36
906	1004	16,000	,750	1	51,98	36
901	1001	46,000	1,250	2	-0,00	36
1001	1002	20,000	,625	1	81,82	36
1001	1004	20,000	,625	1	81,82	36
903	1003	46,000	1,250	2	-0,00	36
1002	1003	20,000	,625	2	81,82	36
1003	1005	20,000	,625	1	81,82	36
906	1006	46,000	1,250	2	-0,00	36
1004	1006	20,000	,625	2	81,81	36
1005	1006	20,000	,625	2	81,81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1,275000E+01	5,000000E-01	1,924226E+01	5,671276E+01	3,600000E+01
2	1,275000E+01	7,500000E-01	2,827434E+01	8,014525E+01	3,600000E+01
3	1,275000E+01	1,000000E+00	3,691372E+01	1,006532E+02	3,600000E+01
4	1,600000E+01	7,500000E-01	3,593197E+01	1,308850E+02	3,600000E+01
5	2,000000E+01	1,000000E+00	5,969027E+01	2,700984E+02	3,600000E+01
6	1,275000E+01	3,750000E-01	1,457896E+01	4,381725E+01	3,600000E+01
7	2,000000E+01	7,500000E-01	4,535675E+01	2,104127E+02	3,600000E+01
8	2,000000E+01	7,550000E-01	4,564727E+01	2,116549E+02	3,600000E+01
9	2,000000E+01	6,250000E-01	3,804273E+01	1,786967E+02	3,600000E+01
10	1,400000E+01	5,000000E-01	2,120575E+01	6,910801E+01	3,600000E+01
11	2,000000E+01	5,000000E-01	3,063053E+01	1,456864E+02	3,600000E+01

LOAD CASE	LOAD FACTOR
6	1,330
7	1,330
8	1,330
9	1,330

END OF INFORMATION READ - FORCE

600 RECORDS TO BE SORTED

7.08

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201 301	201	6		30.00	1.250	.521	1.793		
			201 303	12.75	.500	.032	8.200	2.785	9.625
201 301	201	7		30.00	1.250	.570	1.828		
			201 303	12.75	.500	.317	12.144	4.213	9.625
201 301	201	8		30.00	1.250	.432	.273		
			201 303	12.75	.500	.241	2.783	1.020	9.625
201 301	201	9		30.00	1.250	.403	.420		
			201 303	12.75	.500	.122	1.800	.649	9.625
203 303	203	6		30.00	1.250	.056	2.044		
			203 306	12.75	.500	6.709	5.008	3.881	9.625
203 303	203	7		30.00	1.250	.019	2.278		
			203 306	12.75	.500	7.267	6.206	4.468	9.625
203 303	203	8		30.00	1.250	1.149	.514		
			203 306	12.75	.500	7.307	9.647	5.645	9.625
203 303	203	9		30.00	1.250	1.092	.409		
			203 306	12.75	.500	6.578	8.743	5.102	9.625
206 306	206	6		30.00	1.250	1.021	1.113		
			206 301	12.75	.500	6.254	6.961	4.393	9.625
206 306	206	7		30.00	1.250	1.214	1.524		
			206 301	12.75	.500	8.935	10.536	6.476	9.625
206 306	206	8		30.00	1.250	.182	2.720		
			206 301	12.75	.500	5.855	8.377	4.742	9.625
206 306	206	9		30.00	1.250	.018	3.232		
			206 301	12.75	.500	8.107	6.245	4.755	9.625
201 301	301	6		30.00	1.250	.558	11.527		
			206 301	12.75	.500	6.183	5.899	4.011	9.625
			301 306	12.75	.500	4.781	10.921	6.281	9.625

7.10

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
201 301	301	7		30.00	1.250	.606	15.531			
			206 301	12.75	.500	8.865	6.724	5.164	9.040	
			301 306	12.75	.500	5.683	8.615	5.799	9.040	
201 301	301	8		30.00	1.250	.468	10.799			
			206 301	12.75	.500	5.924	18.605	8.226	9.625	BRACE STRESS EXCEEDS 20 KSI
			301 306	12.75	.500	4.866	14.396	7.705	9.625	
201 301	301	9		30.00	1.250	.439	14.062			
			206 301	12.75	.500	8.179	6.079	4.722	9.314	
			301 306	12.75	.500	4.652	12.265	6.767	9.314	
301 401	301	6		30.00	1.250	1.238	11.627			
			301 306	12.75	.750	3.253	7.728	6.589	9.588	
301 401	301	7		30.00	1.250	.315	15.655			
			301 306	12.75	.750	3.868	6.238	6.063	9.068	
301 401	301	8		30.00	1.250	.034	11.896			
			301 306	12.75	.750	3.311	10.187	8.099	9.625	
301 401	301	9		30.00	1.250	1.017	15.259			
			301 306	12.75	.750	3.166	8.679	7.107	9.016	
203 303	303	6		30.00	1.500	.077	12.349			
			201 303	12.75	1.000	.053	14.734	8.339	11.003	
			301 303	12.75	.750	1.745	11.709	6.727	11.003	
203 303	303	7		30.00	1.500	.046	13.433			
			201 303	12.75	1.000	.130	15.791	8.977	10.842	
			301 303	12.75	.750	.337	12.099	6.218	10.842	
203 303	303	8		30.00	1.500	.997	12.418			
			201 303	12.75	1.000	.089	6.455	3.689	10.855	
			301 303	12.75	.750	1.810	11.714	6.762	10.855	
203 303	303	9		30.00	1.500	.948	11.755			
			201 303	12.75	1.000	.027	4.713	2.673	10.991	
			301 303	12.75	.750	.256	10.697	5.477	10.991	
303 403	303	6		30.00	1.250	.263	14.107			
			301 303	12.75	.500	2.565	16.546	7.644	9.336	

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303 403	303	7		30,00	1,250	,147	15,237		
			301 303	12,75	,500	,496	17,098	7,037	9,166
303 403	303	8		30,00	1,250	1,230	14,968		
			301 303	12,75	,500	2,659	16,554	7,685	9,029
303 403	303	9		30,00	1,250	1,209	14,270		
			301 303	12,75	,500	,377	15,117	6,198	9,150
206 306	306	6		30,00	1,250	1,057	14,027		
			203 306	12,75	,750	4,613	4,658	4,619	9,216
			303 306	12,75	,750	2,848	7,645	6,296	9,216
206 306	306	7		30,00	1,250	1,250	17,429		
			203 306	12,75	,750	4,993	6,110	5,542	8,614
			303 306	12,75	,750	2,244	10,630	7,725	8,614
206 306	306	8		30,00	1,250	,218	15,556		
			203 306	12,75	,750	4,924	7,610	6,269	9,101
			303 306	12,75	,750	3,024	5,712	5,241	9,101
206 306	306	9		30,00	1,250	,054	17,608		
			203 306	12,75	,750	4,429	10,690	7,591	8,784
			303 306	12,75	,750	2,161	8,705	6,531	8,784
306 406	306	6		30,00	1,250	1,637	15,557		
			303 306	12,75	,750	2,848	7,645	6,296	8,863
306 406	306	7		30,00	1,250	1,920	19,365		
			303 306	12,75	,750	2,244	10,630	7,725	8,177
306 406	306	8		30,00	1,250	,201	15,567		
			303 306	12,75	,750	3,024	5,712	5,241	9,101
306 406	306	9		30,00	1,250	,311	17,619		
			303 306	12,75	,750	2,161	8,705	6,531	8,739
401 501	501	6		48,00	1,750	,172	9,003		
			501 504	16,00	,750	7,520	8,615	6,606	8,733
			501 502	16,00	,750	1,455	7,582	3,682	8,733
			501 642	20,00	1,000	4,434	5,124	4,527	8,733

SAPCHK - CHEST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	7			48.00	1.750	4.167	6.269		
				501	504	16.00	.750	8.742	9.637	7.527	8.733
				501	502	16.00	.750	3.700	4.632	3.410	8.733
				501	642	20.00	1.000	.189	6.173	3.066	8.733
401	501	501	8			48.00	1.750	.724	8.618		
				501	504	16.00	.750	6.939	9.699	6.807	8.733
				501	502	16.00	.750	.533	6.408	2.824	8.733
				501	642	20.00	1.000	4.240	4.495	4.134	8.733
401	501	501	9			48.00	1.750	4.763	7.721		
				501	504	16.00	.750	8.082	10.714	7.692	8.733
				501	502	16.00	.750	4.931	4.233	3.756	8.733
				501	642	20.00	1.000	.187	6.311	3.132	8.733
501	601	501	6			48.00	1.750	.868	8.097		
				501	504	16.00	.750	7.520	8.615	6.606	8.733
				501	502	16.00	.750	1.455	7.582	3.682	8.733
				501	642	20.00	1.000	4.434	5.124	4.527	8.733
501	601	501	7			48.00	1.750	4.089	7.457		
				501	504	16.00	.750	8.742	9.637	7.527	8.733
				501	502	16.00	.750	3.700	4.632	3.410	8.733
				501	642	20.00	1.000	.189	6.173	3.066	8.733
501	601	501	8			48.00	1.750	1.298	7.771		
				501	504	16.00	.750	6.939	9.699	6.807	8.733
				501	502	16.00	.750	.533	6.408	2.824	8.733
				501	642	20.00	1.000	4.240	4.495	4.134	8.733
501	601	501	9			48.00	1.750	4.530	6.947		
				501	504	16.00	.750	8.082	10.714	7.692	8.733
				501	502	16.00	.750	4.931	4.235	3.756	8.733
				501	642	20.00	1.000	.187	6.311	3.132	8.733
403	503	503	6			48.00	1.750	6.919	6.001		
				502	503	16.00	.750	.853	3.740	1.872	8.691
				503	505	16.00	.750	5.059	7.073	4.963	8.691
				503	645	20.00	1.000	9.357	5.571	7.024	8.691
403	503	503	7			48.00	1.750	4.341	8.641		
				502	503	16.00	.750	3.844	2.857	2.749	8.681
				503	505	16.00	.750	3.759	7.782	4.715	8.681
				503	645	20.00	1.000	9.289	5.746	7.077	8.681

7.12

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
403	503	503	8			48.00	1.750	7.408	6.330		
				502	503	16.00	.750	.069	5.114	2.107	8.566
				503	505	16.00	.750	5.619	9.179	6.051	8.566
				503	645	20.00	1.000	9.751	6.762	7.781	8.566
403	503	503	9			48.00	1.750	4.672	8.432		
				502	503	16.00	.750	5.055	2.863	3.251	8.663
				503	505	16.00	.750	4.086	9.142	5.403	8.663
				503	645	20.00	1.000	9.040	6.604	7.376	8.663
503	603	503	6			48.00	1.750	5.472	5.419		
				502	503	16.00	.750	.853	3.740	1.872	8.733
				503	505	16.00	.750	5.059	7.073	4.963	8.733
				503	645	20.00	1.000	9.357	5.571	7.024	8.733
503	603	503	7			48.00	1.750	2.983	7.751		
				502	503	16.00	.750	3.844	2.857	2.749	8.733
				503	505	16.00	.750	3.759	7.782	4.715	8.733
				503	645	20.00	1.000	9.289	5.746	7.077	8.733
503	603	503	8			48.00	1.750	5.602	5.578		
				502	503	16.00	.750	.069	5.114	2.107	8.733
				503	505	16.00	.750	5.619	9.179	6.051	8.733
				503	645	20.00	1.000	9.751	6.762	7.781	8.733
503	603	503	9			48.00	1.750	3.233	7.471		
				502	503	16.00	.750	5.055	2.863	3.251	8.733
				503	505	16.00	.750	4.086	9.142	5.403	8.733
				503	645	20.00	1.000	9.040	6.604	7.376	8.733
406	506	506	6			48.00	1.750	7.881	4.196		
				505	506	16.00	.750	4.252	9.914	5.785	8.733
				504	506	16.00	.750	7.810	7.627	6.406	8.733
				506	644	20.00	1.000	6.540	6.918	6.368	8.733
406	506	5 6	7			48.00	1.750	9.208	5.125		
				505	506	16.00	.750	2.963	9.905	5.249	8.476
				504	506	16.00	.750	9.388	9.781	7.852	8.476
				506	644	20.00	1.000	9.424	7.087	7.786	8.476
406	506	506	8			48.00	1.750	7.494	4.438		
				505	506	16.00	.750	4.810	8.807	5.565	8.733
				504	506	16.00	.750	7.218	6.262	5.525	8.733
				506	644	20.00	1.000	6.541	6.163	6.004	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506 506	9		48.00	1.750	8.714	4.962		
			505 506	16.00	.750	3.309	7.972	4.607	8.576
			504 506	16.00	.750	8.716	7.879	6.802	8.576
			506 644	20.00	1.000	9.244	6.162	7.257	8.576
506	606 506	6		48.00	1.750	6.985	2.995		
			505 506	16.00	.750	4.252	9.914	5.785	8.733
			504 506	16.00	.750	7.810	7.827	6.406	8.733
			506 644	20.00	1.000	6.540	6.916	6.368	8.733
506	606 506	7		48.00	1.750	7.911	3.737		
			505 506	16.00	.750	2.963	9.905	5.249	8.733
			504 506	16.00	.750	9.388	9.781	7.852	8.733
			506 644	20.00	1.000	9.424	7.087	7.786	8.733
506	606 506	8		48.00	1.750	6.665	3.446		
			505 506	16.00	.750	4.810	8.807	5.565	8.733
			504 506	16.00	.750	7.218	6.262	5.525	8.733
			506 644	20.00	1.000	6.541	6.163	6.004	8.733
506	606 506	9		48.00	1.750	7.501	3.828		
			505 506	16.00	.750	3.309	7.972	4.607	8.733
			504 506	16.00	.750	8.716	7.879	6.802	8.733
			506 644	20.00	1.000	9.244	6.162	7.257	8.733
651	701 701	6		47.00	1.500	1.181	.918		
			701 702	12.75	.375	4.145	3.732	1.883	7.930
			644 701	20.00	.750	8.612	4.772	2.901	7.930
			701 704	12.75	.375	2.607	2.493	1.219	7.930
			701 806	20.00	.750	6.319	4.522	4.576	7.930
651	701 701	7		47.00	1.500	5.205	.225		
			701 702	12.75	.375	3.358	2.930	1.504	7.930
			644 701	20.00	.750	12.407	3.395	3.353	7.930
			701 704	12.75	.375	.506	1.535	.486	7.930
			701 806	20.00	.750	10.167	4.408	6.134	7.930
651	701 701	8		47.00	1.500	1.474	.932		
			701 702	12.75	.375	4.535	2.309	1.640	7.930
			644 701	20.00	.750	8.602	4.750	2.894	7.930
			701 704	12.75	.375	1.960	3.586	1.322	7.930
			701 806	20.00	.750	6.164	4.982	4.708	7.930

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SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
651 701	701	9		47.00	1.500	5.518	.202		
			701 702	12.75	.375	4.184	2.943	1.706	7.930
			644 701	20.00	.750	12.162	3.217	3.261	7.930
			701 704	12.75	.375	.525	3.970	1.068	7.930
			701 806	20.00	.750	10.184	5.637	6.668	7.930
701 801	701	6		47.00	1.500	.640	.799		
			701 702	12.75	.375	4.145	3.732	1.883	7.930
			644 701	20.00	.750	8.612	4.772	2.901	7.930
			701 704	12.75	.375	2.607	2.493	1.219	7.930
			701 806	20.00	.750	6.319	4.522	4.576	7.930
701 801	701	7		47.00	1.500	2.463	.311		
			701 702	12.75	.375	3.358	2.930	1.504	7.930
			644 701	20.00	.750	12.407	3.395	3.353	7.930
			701 704	12.75	.375	.506	1.535	.486	7.930
			701 806	20.00	.750	10.167	4.408	6.134	7.930
701 801	701	8		47.00	1.500	.389	.848		
			701 702	12.75	.375	4.535	2.309	1.640	7.930
			644 701	20.00	.750	8.602	4.750	2.894	7.930
			701 704	12.75	.375	1.960	3.586	1.322	7.930
			701 806	20.00	.750	6.164	4.982	4.708	7.930
701 801	701	9		47.00	1.500	2.757	.364		
			701 702	12.75	.375	4.184	2.943	1.706	7.930
			644 701	20.00	.750	12.162	3.217	3.261	7.930
			701 704	12.75	.375	.525	3.970	1.068	7.930
			701 806	20.00	.750	10.184	5.637	6.668	7.930
653 703	703	6		47.00	1.500	6.960	1.697		
			642 703	20.00	.750	5.842	7.207	3.966	7.930
			702 703	12.75	.375	4.878	3.139	1.919	7.930
			703 801	20.00	.750	5.737	8.178	5.898	7.930
			703 705	12.75	.375	.984	2.448	.817	7.930
653 703	703	7		47.00	1.500	3.863	1.449		
			642 703	20.00	.750	.255	6.580	2.149	7.930
			702 703	12.75	.375	3.327	2.194	1.322	7.930
			703 801	20.00	.750	.327	6.693	3.003	7.930
			703 705	12.75	.375	1.549	2.603	.990	7.930

SAPCHK - CREST OFFSHORE, INC,   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
653 703	703	8		47,00	1,500	7,062	1,546		
			642 703	20,00	,750	5,575	7,027	3,832	7,930
			702 703	12,75	,375	5,271	4,485	2,333	7,930
			703 801	20,00	,750	5,501	8,731	6,037	7,930
			703 705	12,75	,375	1,018	4,778	1,378	7,930
653 703	703	9		47,00	1,500	3,870	1,295		
			642 703	20,00	,750	,250	6,420	2,097	7,930
			702 703	12,75	,375	4,148	2,411	1,571	7,930
			703 801	20,00	,750	,144	6,655	2,996	7,930
			703 705	12,75	,375	1,684	4,543	1,483	7,930
703 803	703	6		47,00	1,500	5,561	1,473		
			642 703	20,00	,750	5,842	7,207	3,966	7,930
			702 703	12,75	,375	4,878	3,139	1,919	7,930
			703 801	20,00	,750	5,737	6,178	5,898	7,930
			703 705	12,75	,375	,984	2,448	,817	7,930
703 803	703	7		47,00	1,500	3,790	1,204		
			642 703	20,00	,750	,255	6,580	2,149	7,930
			702 703	12,75	,375	3,327	2,194	1,322	7,930
			703 801	20,00	,750	,327	6,693	3,003	7,930
			703 705	12,75	,375	1,549	2,603	,990	7,930
703 803	703	8		47,00	1,500	5,673	1,419		
			642 703	20,00	,750	5,575	7,027	3,832	7,930
			702 703	12,75	,375	5,271	4,485	2,333	7,930
			703 801	20,00	,750	5,501	8,731	6,037	7,930
			703 705	12,75	,375	1,018	4,778	1,378	7,930
703 803	703	9		47,00	1,500	3,862	1,189		
			642 703	20,00	,750	,250	6,420	2,097	7,930
			702 703	12,75	,375	4,148	2,411	1,571	7,930
			703 801	20,00	,750	,144	6,655	2,996	7,930
			703 705	12,75	,375	1,684	4,543	1,483	7,930
706 806	706	6		47,00	1,500	5,338	,736		
			645 706	20,00	,750	12,308	,927	3,861	7,930
			705 706	12,75	,375	2,445	4,433	1,640	7,930
			706 803	20,00	,750	11,180	6,269	7,354	7,930
			704 706	12,75	,375	3,374	4,294	1,831	7,930

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SAPCHK - CREST OFFSHORE, INC., STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	7			47,00	1,500	6,521	1,209		
				645	706	20,00	,750	12,218	3,887	4,768	7,930
				705	706	12,75	,375	2,810	4,648	1,779	7,930
				706	803	20,00	,750	10,442	7,574	7,605	7,930
				704	706	12,75	,375	1,792	5,249	1,676	7,930
706	806	706	8			47,00	1,500	5,044	,723		
				645	706	20,00	,750	12,838	2,053	4,369	7,930
				705	706	12,75	,375	2,475	2,269	1,134	7,930
				706	803	20,00	,750	11,026	4,985	6,740	7,930
				704	706	12,75	,375	2,716	3,441	1,470	7,930
706	806	706	9			47,00	1,500	6,249	1,178		
				645	706	20,00	,750	11,902	4,302	4,807	7,930
				705	706	12,75	,375	2,919	2,521	1,301	7,930
				706	803	20,00	,750	10,149	6,634	7,080	7,930
				704	706	12,75	,375	1,788	3,819	1,336	7,930
656	706	706	6			47,00	1,500	8,234	,570		
				645	706	20,00	,750	12,308	,927	3,861	7,930
				705	706	12,75	,375	2,445	4,433	1,640	7,930
				706	803	20,00	,750	11,180	6,269	7,354	7,930
				704	706	12,75	,375	3,374	4,294	1,831	7,930
656	706	706	7			47,00	1,500	9,333	1,195		
				645	706	20,00	,750	12,218	3,887	4,768	7,930
				705	706	12,75	,375	2,810	4,648	1,779	7,930
				706	803	20,00	,750	10,442	7,574	7,605	7,930
				704	706	12,75	,375	1,792	5,249	1,676	7,930
656	706	706	8			47,00	1,500	7,954	,599		
				645	706	20,00	,750	12,838	2,053	4,369	7,930
				705	706	12,75	,375	2,475	2,269	1,134	7,930
				706	803	20,00	,750	11,026	4,985	6,740	7,930
				704	706	12,75	,375	2,716	3,441	1,470	7,930
656	706	706	9			47,00	1,500	8,946	1,237		
				645	706	20,00	,750	11,902	4,302	4,807	7,930
				705	706	12,75	,375	2,919	2,521	1,301	7,930
				706	803	20,00	,750	10,149	6,634	7,080	7,930
				704	706	12,75	,375	1,788	3,819	1,336	7,930

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SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801 801	6		47.00	1.500	.615	.765		
			801 804	12.75	.375	4.399	2.841	1.733	7.930
			703 801	20.00	.750	5.731	3.525	3.056	7.930
			801 802	12.75	.375	1.108	4.232	1.270	7.930
			801 903	20.00	.750	5.047	4.057	3.982	7.930
701	801 801	7		47.00	1.500	2.488	.677		
			801 804	12.75	.375	3.709	2.704	1.535	7.930
			703 801	20.00	.750	.321	6.338	2.272	7.930
			801 802	12.75	.375	3.056	1.884	1.183	7.930
			801 903	20.00	.750	.116	5.368	2.405	7.930
701	801 801	8		47.00	1.500	.414	.738		
			801 804	12.75	.375	3.858	4.236	1.934	7.930
			703 801	20.00	.750	5.506	3.797	3.077	7.930
			801 802	12.75	.375	1.510	2.659	.994	7.930
			801 903	20.00	.750	4.963	3.730	3.802	7.930
701	801 801	9		47.00	1.500	2.731	.756		
			801 804	12.75	.375	3.750	4.954	2.078	7.930
			703 801	20.00	.750	.138	6.416	2.240	7.930
			801 802	12.75	.375	3.712	2.059	1.382	7.930
			801 903	20.00	.750	.218	5.851	2.662	7.930
801	901 801	6		47.00	1.500	.602	.929		
			801 804	12.75	.375	4.399	2.841	1.733	7.930
			703 801	20.00	.750	5.731	3.525	3.056	7.930
			801 802	12.75	.375	1.108	4.232	1.270	7.930
			801 903	20.00	.750	5.047	4.057	3.982	7.930
801	901 801	7		47.00	1.500	2.540	.820		
			801 804	12.75	.375	3.709	2.704	1.535	7.930
			703 801	20.00	.750	.321	6.338	2.272	7.930
			801 802	12.75	.375	3.056	1.884	1.183	7.930
			801 903	20.00	.750	.116	5.368	2.405	7.930
801	901 801	8		47.00	1.500	.720	.751		
			801 804	12.75	.375	3.858	4.236	1.934	7.930
			703 801	20.00	.750	5.506	3.797	3.077	7.930
			801 802	12.75	.375	1.510	2.659	.994	7.930
			801 903	20.00	.750	4.963	3.730	3.802	7.930

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SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	901	801	9			47.00	1.500	2.671	.600		
				801	804	12.75	.375	3.750	4.954	2.078	7.930
				703	801	20.00	.750	.138	6.416	2.240	7.930
				801	802	12.75	.375	3.712	2.059	1.382	7.930
				801	903	20.00	.750	.218	5.851	2.662	7.930
703	803	803	6			47.00	1.500	5.586	.408		
				802	803	12.75	.375	1.759	3.904	1.349	7.930
				706	803	20.00	.755	11.114	1.858	4.252	7.930
				803	805	12.75	.375	3.697	1.434	1.231	7.930
				803	906	20.00	.755	10.338	5.406	6.928	7.930
703	803	803	7			47.00	1.500	3.816	.776		
				802	803	12.75	.375	3.074	2.117	1.242	7.930
				706	803	20.00	.755	10.382	2.299	4.166	7.930
				803	805	12.75	.375	1.371	2.342	.886	7.930
				803	906	20.00	.755	9.363	4.726	6.209	7.930
703	803	803	8			47.00	1.500	5.647	.266		
				802	803	12.75	.375	2.159	4.787	1.655	7.930
				706	803	20.00	.755	10.949	.944	3.884	7.930
				803	805	12.75	.375	3.229	5.233	2.018	7.930
				803	906	20.00	.755	10.272	6.294	7.292	7.930
703	803	803	9			47.00	1.500	3.836	.660		
				802	803	12.75	.375	3.727	1.887	1.345	7.930
				706	803	20.00	.755	10.075	1.911	3.933	7.930
				803	805	12.75	.375	1.284	5.028	1.501	7.930
				803	906	20.00	.755	9.219	5.554	6.502	7.930
803	903	803	6			47.00	1.500	3.218	.730		
				802	803	12.75	.375	1.759	3.904	1.349	7.930
				706	803	20.00	.750	11.165	1.669	4.251	7.930
				803	805	12.75	.375	3.697	1.434	1.231	7.930
				803	906	20.00	.750	10.404	5.438	6.925	7.930
803	903	803	7			47.00	1.500	1.637	.967		
				802	803	12.75	.375	3.074	2.117	1.242	7.930
				706	803	20.00	.750	10.448	2.313	4.165	7.930
				803	805	12.75	.375	1.371	2.342	.886	7.930
				803	906	20.00	.750	9.443	4.754	6.206	7.930

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SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	803	8			47,00	1,500	3,271	,670		
				802	803	12,75	,375	2,159	4,787	1,655	7,930
				706	803	20,00	,750	11,019	,949	3,882	7,930
				803	805	12,75	,375	3,229	5,233	2,018	7,930
				803	906	20,00	,750	10,338	6,331	7,289	7,930
803	903	803	9			47,00	1,500	1,671	,977		
				802	803	12,75	,375	3,727	1,687	1,345	7,930
				706	803	20,00	,750	10,139	1,923	3,931	7,930
				803	805	12,75	,375	1,284	5,028	1,501	7,930
				803	906	20,00	,750	9,278	5,587	6,499	7,930
706	806	806	6			47,00	1,500	5,313	,471		
				805	806	12,75	,375	2,491	5,388	1,878	7,930
				701	806	20,00	,750	6,311	6,976	4,425	7,930
				804	806	12,75	,375	4,991	4,132	2,182	7,930
				806	901	20,00	,750	5,860	7,529	5,860	7,930
706	806	806	7			47,00	1,500	6,496	,130		
				805	806	12,75	,375	,324	5,219	1,316	7,930
				701	806	20,00	,750	10,163	4,275	4,744	7,930
				804	806	12,75	,375	4,738	5,111	2,353	7,930
				806	901	20,00	,750	9,502	7,053	7,240	7,930
706	806	806	8			47,00	1,500	5,069	,510		
				805	806	12,75	,375	2,034	2,918	1,182	7,930
				701	806	20,00	,750	6,170	6,777	4,311	7,930
				804	806	12,75	,375	4,434	2,097	1,565	7,930
				806	901	20,00	,750	5,860	6,622	5,462	7,930
706	806	806	9			47,00	1,500	6,274	,230		
				805	806	12,75	,375	,244	3,351	,853	7,930
				701	806	20,00	,750	10,191	4,482	4,824	7,930
				804	806	12,75	,375	4,771	2,471	1,735	7,930
				806	901	20,00	,750	9,459	6,200	6,847	7,930
806	906	806	6			47,00	1,500	3,950	,384		
				805	806	12,75	,375	2,491	5,388	1,878	7,930
				701	806	20,00	,750	6,311	6,976	4,425	7,930
				804	806	12,75	,375	4,991	4,132	2,182	7,930
				806	901	20,00	,750	5,860	7,529	5,860	7,930

7.20

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/--S T R E S S --/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	806	7			47.00	1.500	4.310	.490		
				805	806	12.75	.375	.324	5.219	1.316	7.930
				701	806	20.00	.750	10.163	4.275	4.744	7.930
				804	806	12.75	.375	4.738	5.111	2.353	7.930
				806	901	20.00	.750	9.502	7.053	7.240	7.930
806	906	806	8			47.00	1.500	3.762	.342		
				805	806	12.75	.375	2.034	2.918	1.182	7.930
				701	806	20.00	.750	6.170	6.777	4.311	7.930
				804	806	12.75	.375	4.434	2.097	1.565	7.930
				806	901	20.00	.750	5.860	6.622	5.462	7.930
806	906	806	9			47.00	1.500	4.120	.517		
				805	806	12.75	.375	.244	3.351	.853	7.930
				701	806	20.00	.750	10.191	4.482	4.824	7.930
				804	806	12.75	.375	4.771	2.471	1.735	7.930
				806	901	20.00	.750	9.459	6.200	6.847	7.930
801	901	901	6			47.00	1.375	.684	1.126		
				806	901	20.00	.625	6.993	4.786	3.706	7.447
				901	902	14.00	.500	5.506	3.603	3.171	7.447
				901	904	14.00	.500	3.239	2.997	2.168	7.447
				901	1004	16.00	.750	7.139	1.325	3.108	7.447
				901	1002	16.00	.750	6.719	2.155	3.274	7.447
801	901	901	7			47.00	1.375	2.792	.689		
				806	901	20.00	.625	11.338	2.958	4.452	7.447
				901	902	14.00	.500	1.959	1.003	1.032	7.447
				901	904	14.00	.500	6.133	2.585	3.040	7.447
				901	1004	16.00	.750	12.028	2.129	5.197	7.447
				901	1002	16.00	.750	.262	1.838	.801	7.447
801	901	901	8			47.00	1.375	.754	1.004		
				806	901	20.00	.625	6.981	4.829	3.716	7.447
				901	902	14.00	.500	5.019	2.477	2.613	7.447
				901	904	14.00	.500	2.891	3.231	2.127	7.447
				901	1004	16.00	.750	6.868	1.678	3.152	7.447
				901	1002	16.00	.750	6.597	1.849	3.112	7.447
801	901	901	9			47.00	1.375	2.878	.599		
				806	901	20.00	.625	11.270	3.027	4.453	7.447
				901	902	14.00	.500	1.106	1.444	.885	7.447
				901	904	14.00	.500	6.430	3.693	3.596	7.447
				901	1004	16.00	.750	11.868	2.419	5.250	7.447
				901	1002	16.00	.750	.002	2.058	.791	7.447

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	1001 901	6		47.00	1.375	.016	1.098		
			806 901	20.00	.625	6.943	4.786	3.706	7.447
			901 902	14.00	.500	5.506	3.603	3.171	7.447
			901 904	14.00	.500	3.239	2.997	2.168	7.447
			901 1004	16.00	.750	7.139	1.325	3.108	7.447
			901 1002	16.00	.750	6.719	2.155	3.274	7.447
901	1001 901	7		47.00	1.375	.297	.733		
			806 901	20.00	.625	11.358	2.958	4.452	7.447
			901 902	14.00	.500	1.959	1.003	1.032	7.447
			901 904	14.00	.500	6.133	2.585	3.040	7.447
			901 1004	16.00	.750	12.028	2.129	5.197	7.447
			901 1002	16.00	.750	.262	1.638	.801	7.447
901	1001 901	8		47.00	1.375	.028	1.036		
			806 901	20.00	.625	6.981	4.629	3.716	7.447
			901 902	14.00	.500	5.019	2.477	2.613	7.447
			901 904	14.00	.500	2.891	3.231	2.127	7.447
			901 1004	16.00	.750	6.868	1.678	3.152	7.447
			901 1002	16.00	.750	6.597	1.849	3.112	7.447
901	1001 901	9		47.00	1.375	.343	.735		
			806 901	20.00	.625	11.270	3.027	4.453	7.447
			901 902	14.00	.500	1.106	1.444	.885	7.447
			901 904	14.00	.500	6.430	3.693	3.596	7.447
			901 1004	16.00	.750	11.868	2.419	5.250	7.447
			901 1002	16.00	.750	.002	2.056	.791	7.447
803	903 903	6		47.00	1.375	3.530	1.060		
			801 903	20.00	.500	7.490	11.275	4.771	7.447
			902 903	14.00	.500	5.077	4.047	3.174	7.447
			903 905	14.00	.500	8.426	1.735	3.551	7.447
			903 1005	16.00	.750	13.544	3.666	6.416	7.447
			903 1002	16.00	.750	6.774	3.692	3.884	7.447
803	903 903	7		47.00	1.375	1.809	1.229		
			801 903	20.00	.500	.165	9.545	2.517	7.447
			902 903	14.00	.500	1.923	1.082	1.047	7.447
			903 905	14.00	.500	7.953	1.620	3.345	7.447
			903 1005	16.00	.750	12.206	3.412	5.755	7.447
			903 1002	16.00	.750	.299	2.599	1.107	7.447

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803 903	903	8		47.00	1.375	3.530	1.147		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
803 903	903	9		47.00	1.375	1.789	1.358		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447
903 1003	903	6		47.00	1.375	.499	1.246		
			801 903	20.00	.500	7.490	11.275	4.771	7.447
			902 903	14.00	.500	5.077	4.047	3.174	7.447
			903 905	14.00	.500	8.426	1.735	3.551	7.447
			903 1005	16.00	.750	13.544	3.866	6.416	7.447
			903 1002	16.00	.750	6.774	3.692	3.884	7.447
903 1003	903	7		47.00	1.375	.329	1.305		
			801 903	20.00	.500	.165	9.545	2.517	7.447
			902 903	14.00	.500	1.923	1.082	1.047	7.447
			903 905	14.00	.500	7.953	1.620	3.345	7.447
			903 1005	16.00	.750	12.206	3.412	5.755	7.447
			903 1002	16.00	.750	.299	2.599	1.107	7.447
903 1003	903	8		47.00	1.375	.532	1.324		
			801 903	20.00	.500	7.335	11.032	4.670	7.447
			902 903	14.00	.500	4.594	4.392	3.124	7.447
			903 905	14.00	.500	7.739	3.818	4.028	7.447
			903 1005	16.00	.750	13.268	4.063	6.391	7.447
			903 1002	16.00	.750	6.663	3.690	3.843	7.447
903 1003	903	9		47.00	1.375	.357	1.426		
			801 903	20.00	.500	.334	9.552	2.560	7.447
			902 903	14.00	.500	1.074	1.570	.918	7.447
			903 905	14.00	.500	7.588	3.659	3.920	7.447
			903 1005	16.00	.750	11.859	3.613	5.705	7.447
			903 1002	16.00	.750	.036	2.529	.984	7.447

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	906	6			47.00	1.375	4.269	.170		
				803	906	20.00	.625	12.393	.385	3.943	7.447
				905	906	14.00	.500	7.680	4.221	4.146	7.447
				904	906	14.00	.500	3.600	3.282	2.393	7.447
				906	1005	16.00	.750	13.602	2.695	5.987	7.447
				906	1004	16.00	.750	7.143	3.367	3.893	7.447
806	906	906	7			47.00	1.375	4.660	.794		
				803	906	20.00	.625	11.251	4.945	5.069	7.447
				905	906	14.00	.500	7.288	4.642	4.154	7.447
				904	906	14.00	.500	6.765	3.810	3.684	7.447
				906	1005	16.00	.750	12.272	3.011	5.624	7.447
				906	1004	16.00	.750	11.993	3.838	5.840	7.447
806	906	906	8			47.00	1.375	4.121	.425		
				803	906	20.00	.625	12.331	1.095	4.154	7.447
				905	906	14.00	.500	6.996	2.400	3.279	7.447
				904	906	14.00	.500	3.243	1.003	1.689	7.447
				906	1005	16.00	.750	13.318	2.369	5.759	7.447
				906	1004	16.00	.750	6.883	2.945	3.637	7.447
806	906	906	9			47.00	1.375	4.511	.822		
				803	906	20.00	.625	11.068	5.224	5.104	7.447
				905	906	14.00	.500	6.926	3.296	3.564	7.447
				904	906	14.00	.500	7.056	1.608	3.027	7.447
				906	1005	16.00	.750	11.919	2.850	5.434	7.447
				906	1004	16.00	.750	11.828	3.527	5.661	7.447
906	1006	906	6			47.00	1.375	.530	.471		
				803	906	20.00	.625	12.393	.385	3.943	7.447
				905	906	14.00	.500	7.680	4.221	4.146	7.447
				904	906	14.00	.500	3.600	3.282	2.393	7.447
				906	1005	16.00	.750	13.602	2.695	5.987	7.447
				906	1004	16.00	.750	7.143	3.367	3.893	7.447
906	1006	906	7			47.00	1.375	.595	.960		
				803	906	20.00	.625	11.251	4.945	5.069	7.447
				905	906	14.00	.500	7.288	4.642	4.154	7.447
				904	906	14.00	.500	6.765	3.810	3.684	7.447
				906	1005	16.00	.750	12.272	3.011	5.624	7.447
				906	1004	16.00	.750	11.993	3.838	5.840	7.447

7.24

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906 1006	906	8		47.00	1.375	.474	.641		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
906 1006	906	9		47.00	1.375	.544	1.008		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.850	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
901 1001	1001	6		46.00	1.250	.014	.175		
			1001 1002	20.00	.625	.219	6.089	2.992	7.062
			1001 1004	20.00	.625	.358	6.339	3.178	7.062
901 1001	1001	7		46.00	1.250	.366	.353		
			1001 1002	20.00	.625	5.925	2.305	3.948	7.062
			1001 1004	20.00	.625	5.875	4.097	4.773	7.062
901 1001	1001	8		46.00	1.250	.001	.157		
			1001 1002	20.00	.625	.067	5.314	2.552	7.062
			1001 1004	20.00	.625	.043	5.496	2.627	7.062
901 1001	1001	9		46.00	1.250	.352	.327		
			1001 1002	20.00	.625	5.777	1.599	3.541	7.062
			1001 1004	20.00	.625	5.464	3.620	4.349	7.062
903 1003	1003	6		46.00	1.250	.592	.499		
			1002 1003	20.00	.625	9.360	3.200	6.027	7.062
			1003 1005	20.00	.625	9.569	4.069	6.539	7.062
903 1003	1003	7		46.00	1.250	.400	.326		
			1002 1003	20.00	.625	6.296	1.948	3.957	7.062
			1003 1005	20.00	.625	6.530	3.801	4.948	7.062
903 1003	1003	8		46.00	1.250	.564	.488		
			1002 1003	20.00	.625	8.904	2.774	5.605	7.062
			1003 1005	20.00	.625	8.947	3.790	6.107	7.062

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SAPCHK = CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = S.NAVY 27=771=01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003 1003	9		46.00	1.250	.369	.297		
			1002 1003	20.00	.625	5.798	2.373	3.919	7.062
			1003 1005	20.00	.625	5.858	4.029	4.733	7.062
906	1006 1006	6		46.00	1.250	.563	.521		
			1004 1006	20.00	.625	9.275	3.306	6.036	7.062
			1005 1006	20.00	.625	8.738	3.943	6.079	7.062
906	1006 1006	7		46.00	1.250	.635	.593		
			1004 1006	20.00	.625	10.324	3.593	6.677	7.062
			1005 1006	20.00	.625	9.967	3.468	6.446	7.062
906	1006 1006	8		46.00	1.250	.564	.512		
			1004 1006	20.00	.625	9.257	2.610	5.697	7.062
			1005 1006	20.00	.625	8.988	3.569	6.022	7.062
906	1006 1006	9		46.00	1.250	.642	.576		
			1004 1006	20.00	.625	10.523	3.335	6.651	7.062
			1005 1006	20.00	.625	10.185	3.313	6.477	7.062

END OF JOINT CHECK

END OF RUN = SAPCHK

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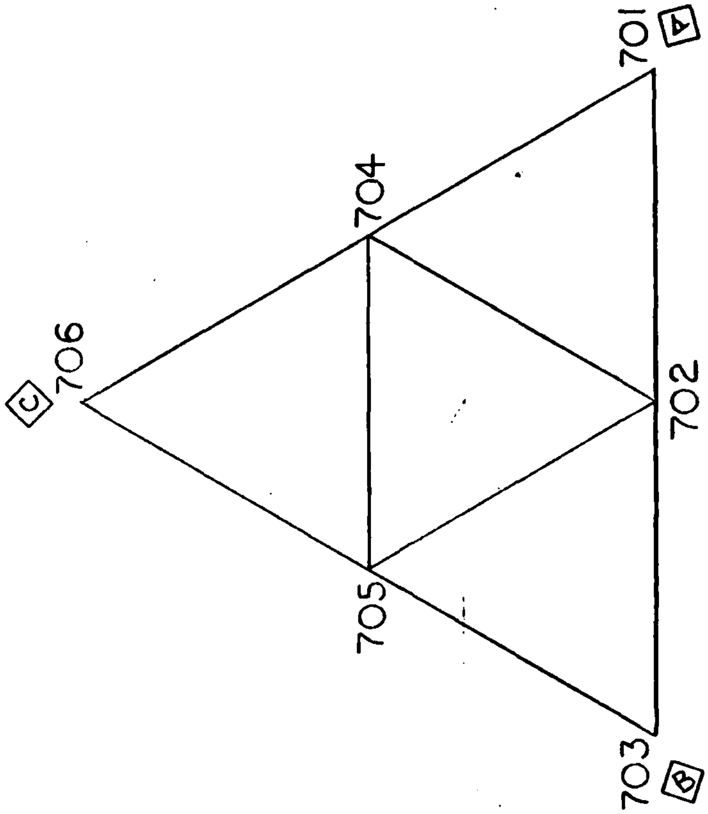
CREST OFFSHORE, INC.

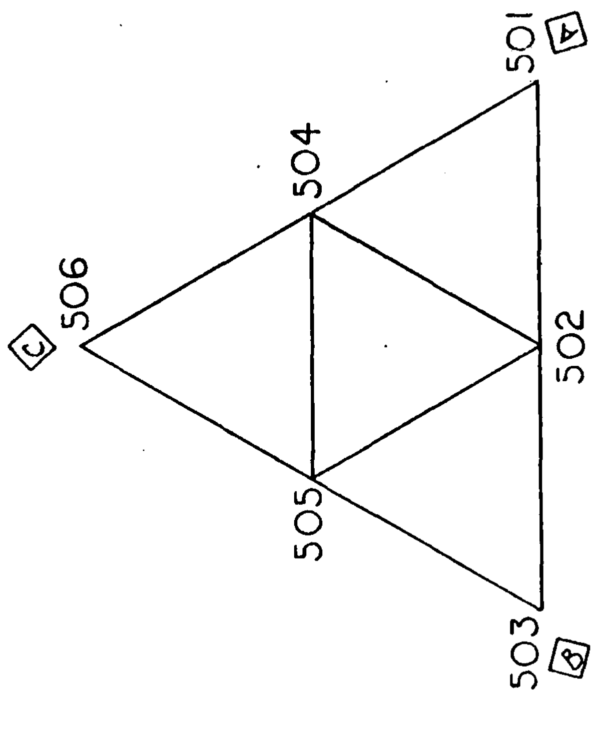
Sheet ____ of ____

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure
Date 7-28-76 Job No. 27-771-95 Calculation Tubular Joint Analysis

JOINT GEOMETRY — SECONDARY JOINTS



PLAN AT ELEV. (-) (3'-0")



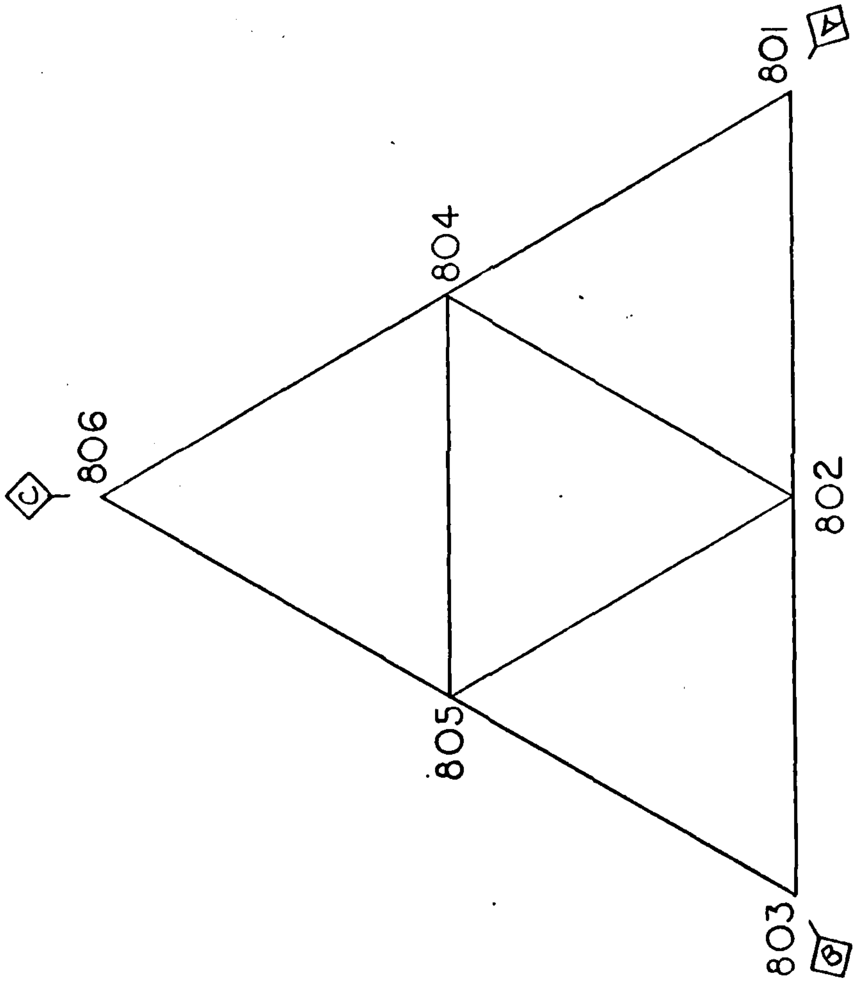
PLAN AT ELEV. (+) 12'-0"

CREST OFFSHORE, INC.

Sheet ____ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



PLAN AT ELEV. (-) 39'-0"

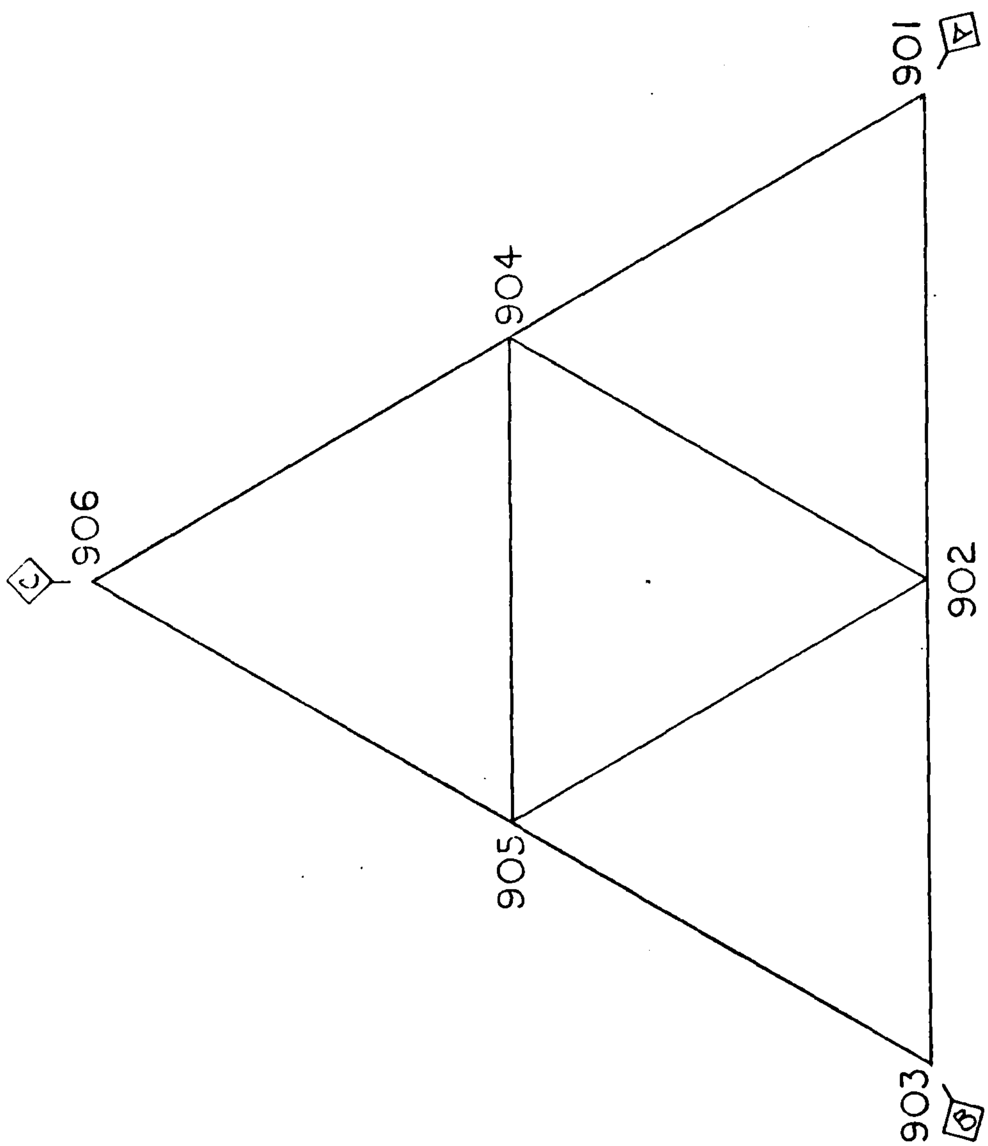
JOINT GEOMETRY — SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ____ of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 7-28-76 Job No. 27-771-95 Calculation TUBULAR JOINT ANALYSIS



PLAN AT ELEV. (-)66'-0"

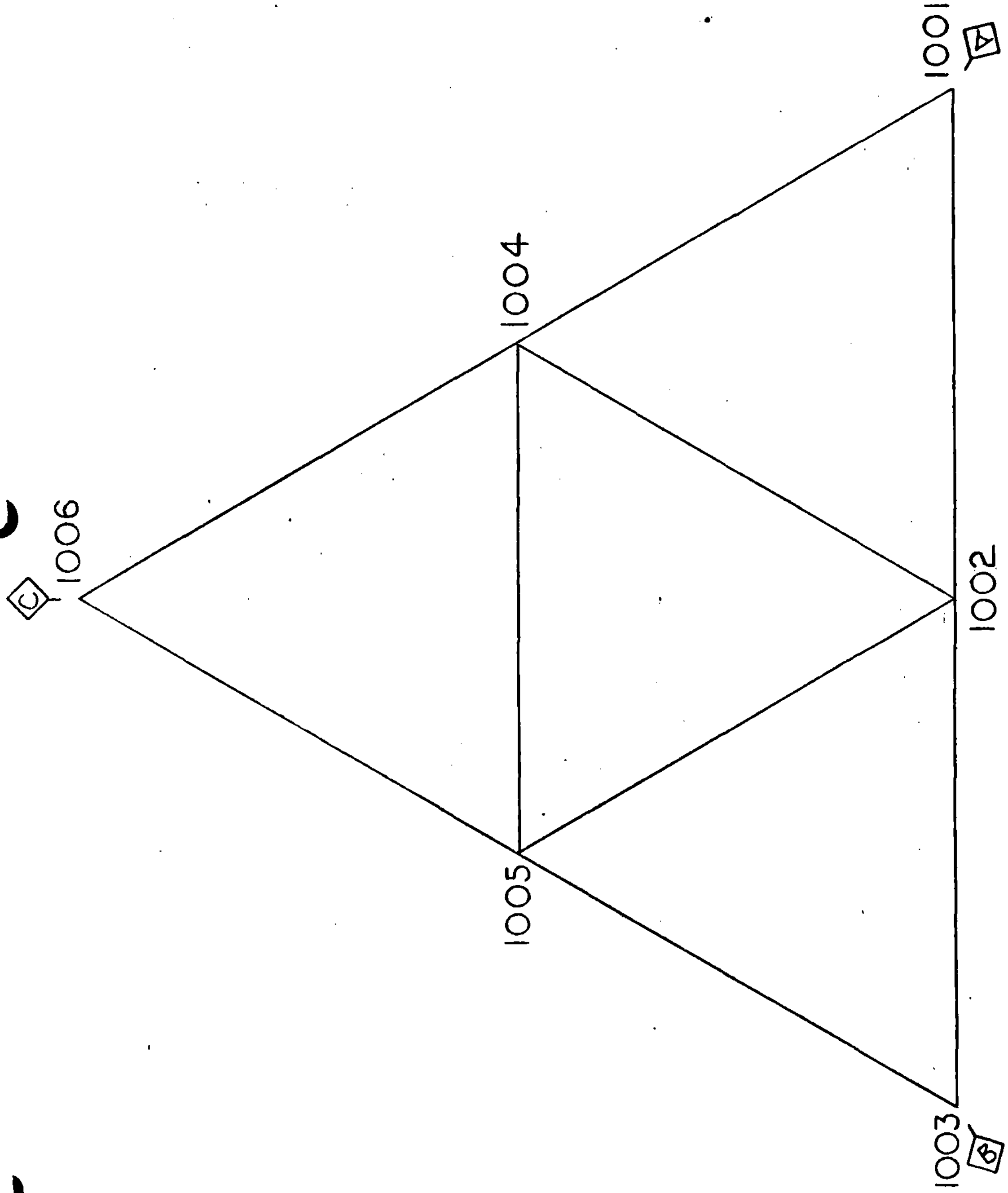
JOINT GEOMETRY — SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ___ of ___

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure

Date 7-28-76 Job No. 27-771-95 Calculation Tubular Joint Analysis



PLAN AT ELEV. (-) 93'-0"

JOINT GEOMETRY — SECONDARY JOINTS

CRESDT OFFSHORE, INC.

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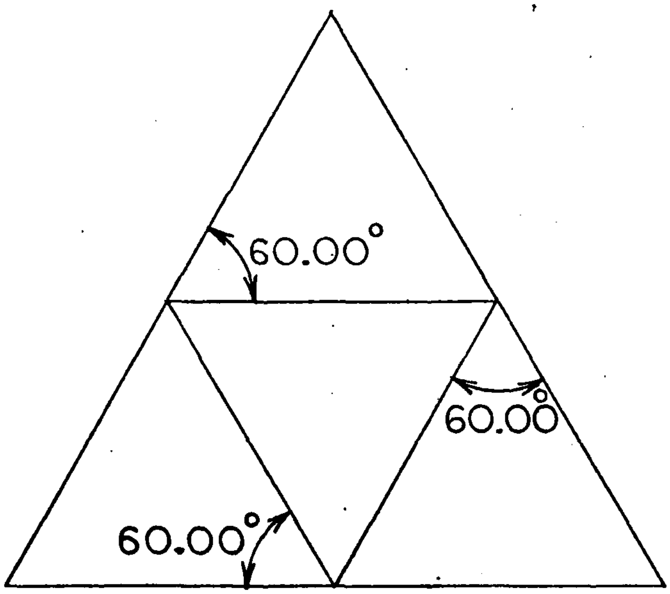
Sheet ___ of ___

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure
Date 7-29-76 Job No. 27-771-95 Calculation Tubular Joint Analysis



TYPICAL PLAN

JOINT GEOMETRY – SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet ___ of ___

By LRR Client U.S. NAVY Subject DESIGN OF 23 MILE STRUCTURE
Date 9-3-76 Job No. 27-221-75 Calculation TOWER JOINT CHECKS

7.5 PUNCHING SHEAR ANALYSIS - SECONDARY JOINTS

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	18,000	.500	2	-0.00	36
502	504	10.750	.365	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	15,000	.500	2	-0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
504	505	15,000	.500	1	-0.00	36
502	504	10.750	.365	2	60.00	36
504	505	10.750	.365	1	60.00	36
701	702	12.750	.375	2	-0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	-0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
704	706	12.750	.375	1	-0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
801	802	12.750	.375	2	-0.00	36
802	805	10.750	.365	1	60.00	36
802	804	10.750	.365	1	60.00	36
803	805	12.750	.375	2	-0.00	36
802	805	10.750	.365	2	60.00	36
804	805	10.750	.365	2	60.00	36
804	806	12.750	.375	1	-0.00	36
802	804	10.750	.365	2	60.00	36
804	805	10.750	.365	1	60.00	36
901	902	14.000	.500	2	-0.00	36
902	904	10.750	.365	1	60.00	36
902	905	10.750	.365	1	60.00	36
901	904	14.000	.500	2	-0.00	36
902	904	10.750	.365	2	60.00	36
904	905	10.750	.365	1	60.00	36
905	905	14,000	.500	1	-0.00	36
902	905	10.750	.365	2	60.00	36
904	905	10.750	.365	2	60.00	36
1001	1002	24,000	.875	2	-0.00	36
901	1002	15,000	.750	2	46.20	36
1002	1004	14,000	.375	1	60.00	36
1002	1003	24.000	.875	1	-0.00	36
903	1002	16.000	.750	2	46.20	36
1002	1005	14.000	.375	1	60.00	36
1003	1005	24.000	.875	2	-0.00	36
903	1005	16.000	.750	2	46.20	36
1002	1005	14.000	.375	2	60.00	36
1005	1006	24.000	.875	1	-0.00	36
906	1005	16.000	.750	2	46.20	36
1004	1005	14.000	.375	2	60.00	36
1001	1004	24.000	.875	2	-0.00	36
901	1004	16.000	.750	2	46.20	36
1002	1004	14.000	.375	2	60.00	36
1004	1006	24.000	.875	1	-0.00	36

	[illegible]	[illegible]	[illegible]	.750	2	40.20	36
1004	100'	14.000	.375	1	60.00	36	

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190829E+01	2.990404E+01	3.600000E+01
2	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
3	1.400000E+01	3.750000E-01	1.605158E+01	5.325145E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ = FORCE

215 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT NEW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	-S T R E S S- AXIAL	-S T R E S S- BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	6			16.00	.500	2.148	5.842		
				502	504	10.75	.365	.541	6.150	4.052	7.914
				502	505	10.75	.365	2.263	9.652	7.172	7.914
501	502	502	7			16.00	.500	5.460	6.595		
				502	504	10.75	.365	.747	5.495	3.773	7.914
				502	505	10.75	.365	1.533	6.695	4.954	7.914
501	502	502	8			16.00	.500	.756	5.736		
				502	504	10.75	.365	.560	6.586	4.218	7.914
				502	505	10.75	.365	2.256	9.684	7.168	7.914
501	502	502	9			16.00	.500	7.277	6.568		
				502	504	10.75	.365	.747	5.789	3.950	7.748
				502	505	10.75	.365	1.447	6.648	4.876	7.748
503	505	505	6			16.00	.500	7.466	2.235		
				502	505	10.75	.365	2.264	2.321	2.713	7.914
				504	505	10.75	.365	1.632	5.297	4.160	7.914
503	505	505	7			16.00	.500	5.550	2.571		
				502	505	10.75	.365	1.535	4.008	3.601	7.914
				504	505	10.75	.365	2.224	8.712	6.578	7.914
503	505	505	8			16.00	.500	8.292	2.657		
				502	505	10.75	.365	2.260	2.691	2.935	7.914
				504	505	10.75	.365	1.623	5.524	4.293	7.914
503	505	505	9			16.00	.500	6.033	2.736		
				502	505	10.75	.365	1.449	4.748	3.721	7.914
				504	505	10.75	.365	2.183	8.639	6.510	7.914
504	506	504	6			16.00	.500	11.527	5.926		
				502	504	10.75	.365	.541	3.061	2.660	7.251
				504	505	10.75	.365	1.632	5.021	4.600	7.251
504	506	504	7			16.00	.500	13.856	4.628		
				502	504	10.75	.365	.749	4.403	3.109	7.082
				504	505	10.75	.365	2.224	5.559	4.669	7.082

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR U.S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER		JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
504	506	504	8			16.00	.500	10.651	5.669		
				502	504	10.75	.365	.580	3.446	2.430	7.407
				504	505	10.75	.365	1.623	5.300	4.157	7.407
504	505	504	9			16.00	.500	12.866	4.091		
				502	504	10.75	.365	.748	3.980	2.855	7.320
				504	505	10.75	.365	2.183	4.840	4.199	7.320
701	702	702	5			12.75	.375	4.145	7.696		
				702	704	10.75	.365	.027	.222	.201	8.880
				702	705	10.75	.365	1.235	5.072	5.060	8.880
701	702	702	7			12.75	.375	3.358	6.380		
				702	704	10.75	.365	.743	3.356	3.291	8.880
				702	705	10.75	.365	.677	3.010	2.957	8.880
701	702	702	8			12.75	.375	4.535	7.509		
				702	704	10.75	.365	.012	.819	.673	8.880
				702	705	10.75	.365	1.233	5.074	5.060	8.880
701	702	702	9			12.75	.375	4.184	6.160		
				702	704	10.75	.365	.736	3.480	3.394	8.880
				702	705	10.75	.365	.661	3.075	3.000	8.880
703	705	705	6			12.75	.375	.984	3.404		
				702	705	10.75	.365	1.238	3.948	4.151	8.880
				704	705	10.75	.365	1.251	3.838	4.072	8.880
703	705	705	7			12.75	.375	1.554	6.099		
				702	705	10.75	.365	.675	2.138	2.251	8.880
				704	705	10.75	.365	1.410	5.222	5.316	8.880
703	705	705	8			12.75	.375	1.018	3.642		
				702	705	10.75	.365	1.235	3.986	4.180	8.880
				704	705	10.75	.365	1.248	3.784	4.026	8.880
703	705	705	9			12.75	.375	1.663	6.291		
				702	705	10.75	.365	.659	2.124	2.228	8.880
				704	705	10.75	.365	1.403	5.103	5.214	8.880
704	706	704	6			12.75	.375	3.374	4.025		
				702	704	10.75	.365	.027	.845	.722	8.880
				704	705	10.75	.365	1.251	5.413	5.349	8.880

SAPCHK - CHEST [illegible] SUR SYSTEM

PUNCHING SHEAR CHECK FOR [illegible] LW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAM	[illegible]	[illegible]	E S S - -/ BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
704 705 704		7		12,75	[illegible]	[illegible]	2,080		
			702 704	10,75	[illegible]	[illegible]	2,066	2,246	8,880
			704 705	10,75	[illegible]	[illegible]	5,364	5,431	8,880
704 705 704		8		12,75	[illegible]	[illegible]	4,294		
			702 704	10,75	[illegible]	[illegible]	,132	,116	8,880
			704 705	10,75	[illegible]	[illegible]	5,200	5,174	8,880
704 706 704		9		12,75	[illegible]	[illegible]	1,863		
			702 704	10,75	[illegible]	[illegible]	1,924	2,124	8,880
			704 705	10,75	[illegible]	[illegible]	5,197	5,290	8,880
801 802 802		6		12,75	[illegible]	[illegible]	7,346		
			802 805	10,75	[illegible]	[illegible]	5,501	5,272	8,880
			802 804	10,75	[illegible]	[illegible]	,276	,260	8,880
801 802 802		7		12,75	[illegible]	[illegible]	6,535		
			802 805	10,75	,365	[illegible]	3,247	3,101	8,880
			802 804	10,75	,365	[illegible]	2,924	2,809	8,880
801 802 802		8		12,75	,375	[illegible]	7,351		
			802 805	10,75	,365	[illegible]	5,495	5,267	8,880
			802 804	10,75	,365	[illegible]	,883	,751	8,880
801 802 802		9		12,75	,375	[illegible]	6,557		
			802 805	10,75	,365	[illegible]	3,295	3,129	8,880
			802 804	10,75	,365	[illegible]	3,175	3,008	8,880
803 805 805		6		12,75	,375	[illegible]	2,619		
			802 805	10,75	,365	[illegible]	3,445	3,602	8,880
			804 805	10,75	,365	[illegible]	3,679	3,923	8,880
803 805 805		7		12,75	,375	[illegible]	5,513		
			802 805	10,75	,365	[illegible]	2,011	2,097	8,880
			804 805	10,75	,365	[illegible]	5,550	5,240	8,880
803 805 805		8		12,75	,375	[illegible]	2,797		
			802 805	10,75	,365	[illegible]	3,573	3,782	8,880
			804 805	10,75	[illegible]	[illegible]	3,578	3,749	8,880
803 805 805		9		12,75	[illegible]	[illegible]	5,633		
			802 805	10,75	[illegible]	[illegible]	2,003	2,080	8,830
			804 805	10,75	[illegible]	[illegible]	5,558	5,240	8,880

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	STRESSES AXIAL	STRESSES BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
804 806	804	6		12.75	.375	4.993	4.065		
			802 804	10.75	.365	.046	.743	.638	8.880
			804 805	10.75	.365	1.014	5.212	5.004	8.880
804 806	804	7		12.75	.375	4.739	2.189		
			802 804	10.75	.365	.570	1.995	2.055	8.880
			804 805	10.75	.365	1.175	5.048	4.995	8.880
804 806	804	8		12.75	.375	4.456	4.624		
			802 804	10.75	.365	.043	.285	.264	8.880
			804 805	10.75	.365	1.004	4.811	4.671	8.880
804 806	804	9		12.75	.375	4.771	2.084		
			802 804	10.75	.365	.561	1.694	1.955	8.880
			804 805	10.75	.365	1.166	4.922	4.855	8.880
901 902	902	6		14.00	.500	5.506	4.722		
			902 904	10.75	.365	.079	.770	.514	9.341
			902 905	10.75	.365	.994	6.250	4.374	9.341
901 902	902	7		14.00	.500	1.959	4.470		
			902 904	10.75	.365	.492	2.642	1.890	9.341
			902 905	10.75	.365	.604	3.632	2.555	9.341
901 902	902	5		14.00	.500	5.019	4.710		
			902 904	10.75	.365	.070	1.016	.659	9.341
			902 905	10.75	.365	.991	6.171	4.323	9.341
901 902	902	9		14.00	.500	1.106	4.440		
			902 904	10.75	.365	.487	2.943	2.070	9.341
			902 905	10.75	.365	.592	3.601	2.531	9.341
901 904	904	6		14.00	.500	3.259	5.514		
			902 904	10.75	.365	.079	.949	.623	9.341
			904 905	10.75	.365	.915	5.376	3.796	9.341
901 904	904	7		14.00	.500	6.128	4.569		
			902 904	10.75	.365	.491	2.300	1.685	9.341
			904 905	10.75	.365	1.068	5.114	3.735	9.341
901 904	904	8		14.00	.500	2.891	5.299		
			902 904	10.75	.365	.070	.362	.260	9.341
			904 905	10.75	.365	.910	4.896	3.502	9.341

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SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	904 904	9		14.00	.500	6.430	4.510		
			902 904	10.75	.365	.465	2.123	1.570	9.341
			904 905	10.75	.365	1.062	4.731	3.500	9.341
905	906 905	6		14.00	.500	7.660	2.683		
			902 905	10.75	.365	.997	3.162	2.496	9.341
			904 905	10.75	.365	.915	3.672	2.862	9.341
905	906 905	7		14.00	.500	7.286	1.203		
			902 905	10.75	.365	.603	2.170	1.667	9.341
			904 905	10.75	.365	1.068	5.872	4.198	9.341
905	906 905	8		14.00	.500	6.996	2.772		
			902 905	10.75	.365	.968	3.494	2.693	9.341
			904 905	10.75	.365	.910	3.643	2.861	9.341
905	906 905	9		14.00	.500	6.924	.906		
			902 905	10.75	.365	.591	2.292	1.734	9.341
			904 905	10.75	.365	1.082	5.776	4.136	9.341
1001	1002 1002	6		24.00	.875	.131	.873		
			901 1002	16.00	.750	6.707	2.786	4.863	8.816
			1002 1004	14.00	.375	.069	4.672	1.692	8.733
1001	1002 1002	7		24.00	.875	3.546	.326		
			901 1002	16.00	.750	.253	2.981	1.744	8.816
			1002 1004	14.00	.375	.397	3.064	1.443	8.733
1001	1002 1002	8		24.00	.875	.040	.650		
			901 1002	16.00	.750	6.610	2.594	4.710	8.816
			1002 1004	14.00	.375	.017	4.069	1.459	8.733
1001	1002 1002	9		24.00	.875	3.457	.381		
			901 1002	16.00	.750	.011	2.924	1.593	8.816
			1002 1004	14.00	.375	.451	3.183	1.289	8.733
1002	1003 1002	6		24.00	.875	5.602	.168		
			903 1002	16.00	.750	6.762	2.271	4.621	8.816
			1002 1005	14.00	.375	.774	3.820	1.626	8.733
1002	1003 1002	7		24.00	.875	3.768	.441		
			903 1002	16.00	.750	.308	2.254	1.377	8.816
			1002 1005	14.00	.375	.397	4.443	1.721	8.733

7.39

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1002	1003 1002	8		24.00	.875	5.328	.315		
			903 1002	16.00	.750	6.651	2.479	4.669	8.816
			1002 1005	14.00	.375	.758	3.250	1.417	8.733
1002	1003 1002	9		24.00	.875	3.470	.607		
			903 1002	16.00	.750	.026	2.206	1.211	8.816
			1002 1005	14.00	.375	.445	4.026	1.588	8.733
1003	1005 1005	6		24.00	.875	5.727	1.002		
			903 1005	16.00	.750	13.553	1.206	7.428	8.816
			1002 1005	14.00	.375	.777	1.496	.796	8.733
1003	1005 1005	7		24.00	.875	3.908	.972		
			903 1005	16.00	.750	12.216	1.677	7.014	8.816
			1002 1005	14.00	.375	.392	3.039	1.218	8.733
1003	1005 1005	8		24.00	.875	5.354	1.062		
			903 1005	16.00	.750	13.258	1.626	7.509	8.816
			1002 1005	14.00	.375	.756	1.766	.885	8.733
1003	1005 1005	9		24.00	.875	3.506	1.021		
			903 1005	16.00	.750	11.846	1.976	6.992	8.816
			1002 1005	14.00	.375	.450	3.499	1.402	8.733
1005	1006 1005	6		24.00	.875	5.229	.433		
			906 1005	16.00	.750	13.591	2.968	8.413	8.816
			1004 1005	14.00	.375	.741	1.247	.695	8.733
1005	1006 1005	7		24.00	.875	5.965	.413		
			906 1005	16.00	.750	12.264	2.914	7.710	8.816
			1004 1005	14.00	.375	.848	1.307	.753	8.733
1005	1006 1005	8		24.00	.875	5.379	.360		
			906 1005	16.00	.750	13.327	2.500	8.016	8.816
			1004 1005	14.00	.375	.723	.784	.524	8.733
1005	1006 1005	9		24.00	.875	6.096	.308		
			906 1005	16.00	.750	11.928	2.516	7.326	8.816
			1004 1005	14.00	.375	.865	1.702	.900	8.733
1001	1004 1004	6		24.00	.875	.214	1.014		
			901 1004	16.00	.750	7.150	2.223	4.780	8.816
			1002 1004	14.00	.375	.069	4.569	1.655	8.733

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-171-01 93 FT HLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004 1004	7		24.00	.875	3.516	.639		
			901 1004	16.00	.750	12.037	2.406	7.321	8.816
			1002 1004	14.00	.375	.392	3.004	1.205	8.733
1001	1004 1004	8		24.00	.875	.026	.830		
			901 1004	16.00	.750	6.879	2.453	4.768	8.816
			1002 1004	14.00	.375	.017	4.690	1.681	8.733
1001	1004 1004	9		24.00	.875	3.270	.578		
			901 1004	16.00	.750	11.855	2.756	7.420	8.816
			1002 1004	14.00	.375	.455	3.252	1.315	8.733
1004	1006 1004	6		24.00	.875	5.551	.574		
			906 1004	16.00	.750	7.133	2.700	5.029	8.816
			1004 1005	14.00	.375	.741	2.488	1.138	8.733
1004	1006 1004	7		24.00	.875	6.178	.945		
			906 1004	16.00	.750	11.984	2.107	7.132	8.816
			1004 1005	14.00	.375	.848	.876	.600	8.733
1004	1006 1004	8		24.00	.875	5.540	.482		
			906 1004	16.00	.750	6.892	2.604	4.857	8.816
			1004 1005	14.00	.375	.723	2.574	1.163	8.733
1004	1006 1004	9		24.00	.875	6.298	.852		
			906 1004	16.00	.750	11.836	1.645	6.916	8.816
			1004 1005	14.00	.375	.865	.664	.529	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

7.41

SECTION 8.0

PILE-JACKET CONNECTION

8.1 INTRODUCTION

This section ascertains the capability of the pile-jacket connection at the top of the jacket of transferring both the axial load and the bending moment of the jacket to the pile. The following assumptions are made in this analysis:

1. The axial load is distributed to all six shims.

2. The resultant bending moment is taken out as a couple by two shims on each side of the 42 inch diameter pile.

3. The torsional moment is negligible.

4. The fillet weld area perpendicular to the applied load is more susceptible to fatigue crack than the fillet weld parallel to the load, and, therefore, is ignored in this analysis.

5. An E-70 electrode is used for welding with τ = 15.8 ksi or f = 11.2ω kips/inch.

Reference Drawings:

3016295 Jacket - Pile Shims and Leg Connection

CREST OFFSHORE, INC.

Sheet 2.02 of

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure
Date 8-2-76 Job No. 27-771- Calculation Pile-Jacket Connection

Jacket Loads

50 yr. Storm

Jacket Member	Load Condition	P (Kips)	M_Y (In.-Kips)	M_Z (In.-Kips)	M_R (In.-Kips)	$M_R/42"\cdot 2$ (Kips)	P/6 (Kips)	Total Load (Kips)
401-501	6	-41.83	2025.34	21969.91	22063.11	262.66	± 6.97	269.63
	7	-1057.56	3517.46	17892.98	18235.44	217.09	± 176.26	393.35
	8	185.93	-2373.35	-20769.69	20905.33	248.87	30.99	279.86
	9	1212.99	-3760.33	-16663.96	17082.97	203.37	202.17	405.53
403-503	6	-1757.48	2135.41	-11438.52	11636.21	138.53	± 292.91	431.44
	7	-1101.96	3151.56	-17933.48	18203.27	216.77	± 183.66	400.43
	8	1885.67	-2745.6	12445.19	12744.45	151.72	314.28	466.0
	9	1189.95	-3444.03	17656.07	17988.65	214.15	198.33	412.48
405-505	6	2005.73	-6189.8	-1583.77	6339.21	76.06	334.29	410.35
	7	2343.36	-7534.48	2396.42	7956.03	94.71	390.56 *	485.27
	8	-1903.57	5901.73	2770.75	6519.78	77.62	± 317.26	394.88
	9	-2213.74	6706.93	-2130.01	7037.03	83.77	± 368.96	452.73

Note: Total Load Is Maximum Load On One Shim Plate.

WIDTH OF SHIM

$$\frac{(48-3.5)\pi}{6} - 3.5 = 19.8$$

USE: 6 ~ 1" PL x 19.75" WIDE

8.3 CHECK JACKET TO SHIM

EFFECTIVE WELD = 1.75" − 0.0625" = 1.6875

ALLOWABLE LOAD = 15.8(0.70711)(1.6875) = 18.85

$$\text{SLOT LENGTH} = \frac{485.27}{18.85(2)} = 12.87$$

8.4 CHECK SHIM TO PILE

SHIM PLATE = 1.0" THICK

MAXIMUM WELD = 1.0 − 0.0625 = 0.9375

ALLOWABLE LOAD = 15.8(0.70711)(0.9375) = 10.47

$$\text{LENGTH OF SHIM REQD.} = \frac{485.27}{10.47(2)} = 23.16$$

8.5 CHECK SHIM STRESS

SHIM AREA = 19.75"²

$$\sigma = \frac{P}{A} = \frac{485.27}{19.75} = 24.56 < 36 \times .6 \times 1.33 = 28.7 \text{ ok}$$

8.6 CHECK JACKET STRESS

JACKET EFFECTIVE AREA = 19.75 x 1.6875 = 33.33

$$\sigma = \frac{P}{A} = \frac{485.27}{33.33} = 14.55 < 28.7 \text{ ok}$$

SECTION 9.0

PILE ANALYSIS

9.1 INTRODUCTION

This section determines the pile penetration and pile schedule of Structure 2.

First, the actual maximum pile loads are calculated. Then, these loads are used with the Pile Capacity Curves to establish the penetration required. Finally, the Pile Driving Resistance Curves are checked to insure that the piling can be driven to the desired penetration.

The pile schedules are devised to avoid any possible set-up problems while driving and to minimize field welding of the pile add-ons.

In addition, the P-Y curves for the site are included in this section. The P-Y curves are used in Section 6.0 for the space framing analysis.

The Pile Capacity Curves and the Pile Driving Resistance Curves are from the Foundation Analysis, Report No. 27-771.97.

Reference Drawings:

3016302 Jacket - Pile Details

CREST OFFSHORE, INC.

By [signature] Client U.S. NAVY Subject DESIGN OF 93' WLL STRUCT
Date 8-23-76 Job No. 27-776-95 Calculation PILE ANALYSIS

9.2 PILE SUMMARY

SITE #2

Pile Axial Loads

Maximum Compressive Load	2914^k
Maximum Tension Load	1985.07^k

Piling Dimensions

Outside Diameter	42 in.
Penetration below Mudline (S.F.=1.5)	275 FT
Penetration below Mudline (S.F.=1.35)	255 FT
Minimum Wall Thickness	2.0 in

Conclusion

The pile schedule with the 2.0 in. uniform wall thickness must be used to assure drivability to required penetration of 275 FT for a safety factor of 1.5. In addition, equipment must be available to remove the internal plug by a controlled jetting and driving procedure should the need arise. No insert piling should be required.

9.3 PILE LOADS

Maximum Computer Compressive Force = 2658.99
(Ref. Reactions, Ld. Ca. #7, Section 6.5, p6.25)

Weight of piling below Mudline
42" ø × 2.0 − 200' × 0.854 k/ft = 170.8
42" ø × 2.375 − 75' × 1.002 k/ft = 75.2
Splice Points − 32' × 0.276 k/ft = 9 k
255 k

Total Maximum Compressive Pile Load = **2914 k**

Maximum Computer Tension Force = 2184.34 k
(Ref. Reactions, Ld Ca # 9, Section 6.5, p 6.27)

Weight of Piling below Mudline = 255.0

Live Load on Decks
Upper Deck − 0.42 k/ft × 29 ft = 12 k
Equipment Deck − (1.5 k/ft)(14.5 ft) + (0.63 k/ft)(14.5 ft) = 31
43 k

Total Maximum Tension Pile Load

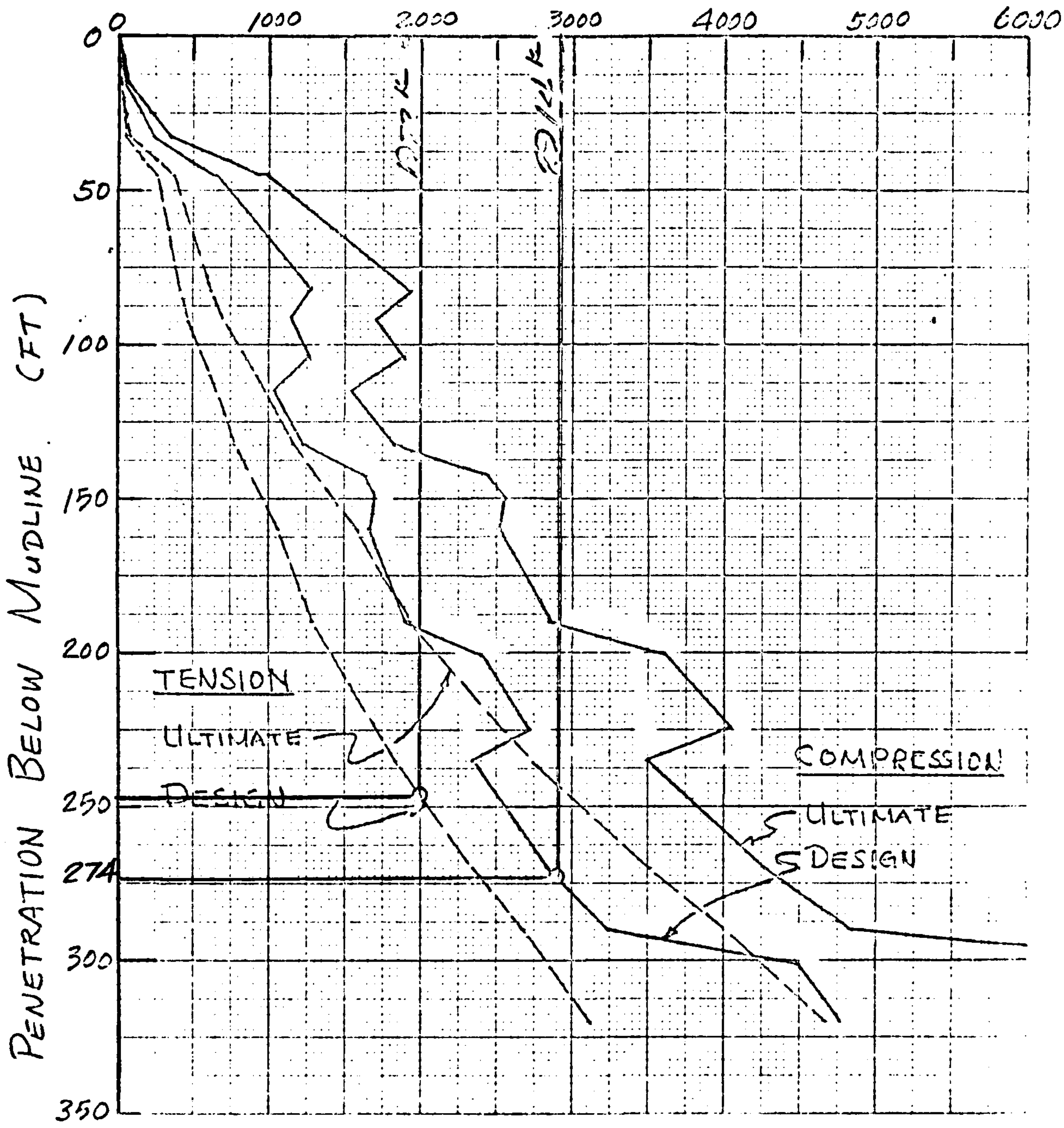
2184 − 255 + 43 = **1972 k**

CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Foundation Analysis
Date 6-1-76 Job No. 27-771-97 Calculation Pipe Pile Capacity Curves

9.4 PILE CAPACITY CURVE



42-IN. DIAMETER PIPE PILES

(Boring #2)

CREST OFFSHORE, INC.

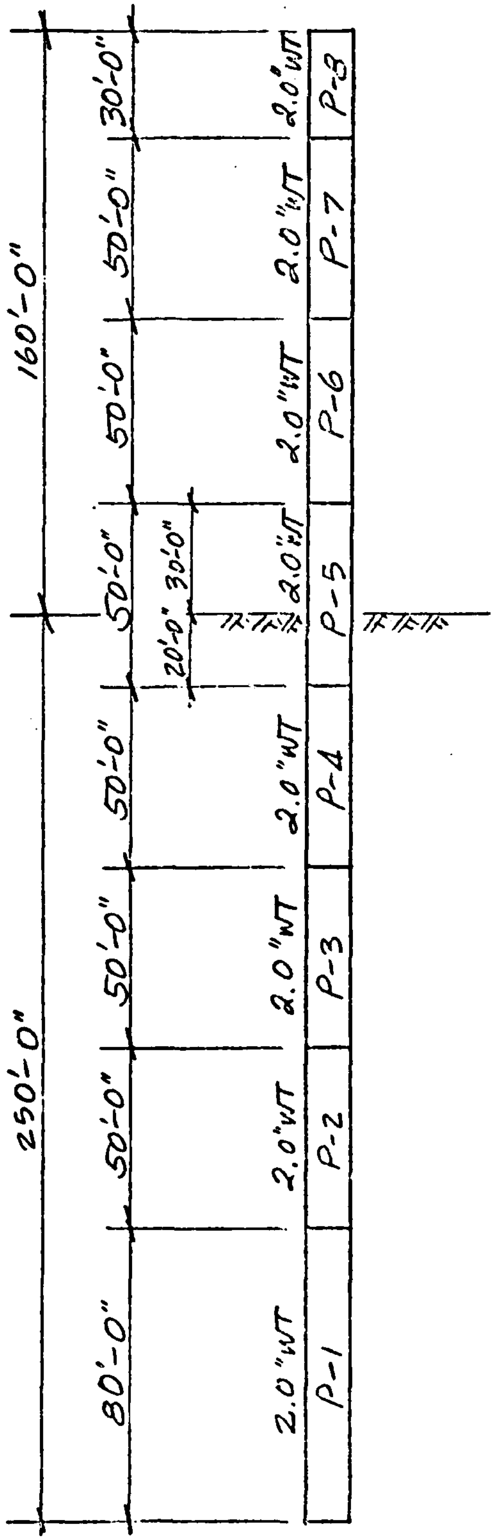
Sheet ___ of ___

By C. Chen Client U.S. NAVY Subject Foundation Analysis
Date 6-25-76 Job No. 27-771-97 Calculation Pile Driving Resistance Curves

9.5 DRIVING RESISTANCE CURVES

MLW = 93 FT

250 FT Penetration



Vulcan 560 Hammer
Wt. of Ram = 60,000 lbs
Rated Energy = 300,000 ft-lbs
Hammer Efficiency = 0.75
Wt. of Pile Cap = 42,000 lbs

Spring Constant = 6.2×10^6 lbs/in.
Damping Factor, side & tip, J = 0.15
Quake Factor, side, Q = 0.10
Quake Factor, tip, - See Above

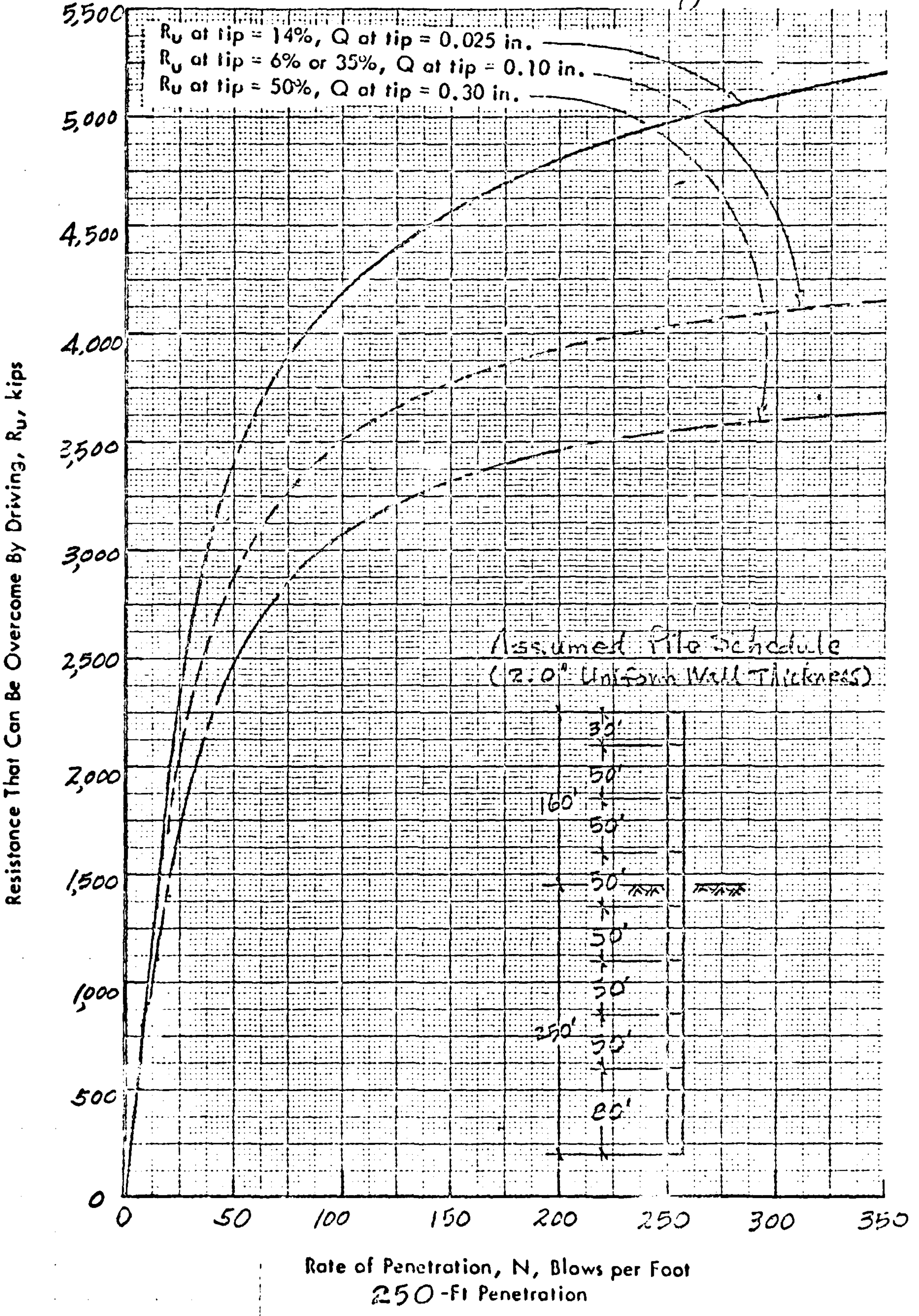
7.02

CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Foundation Analysis

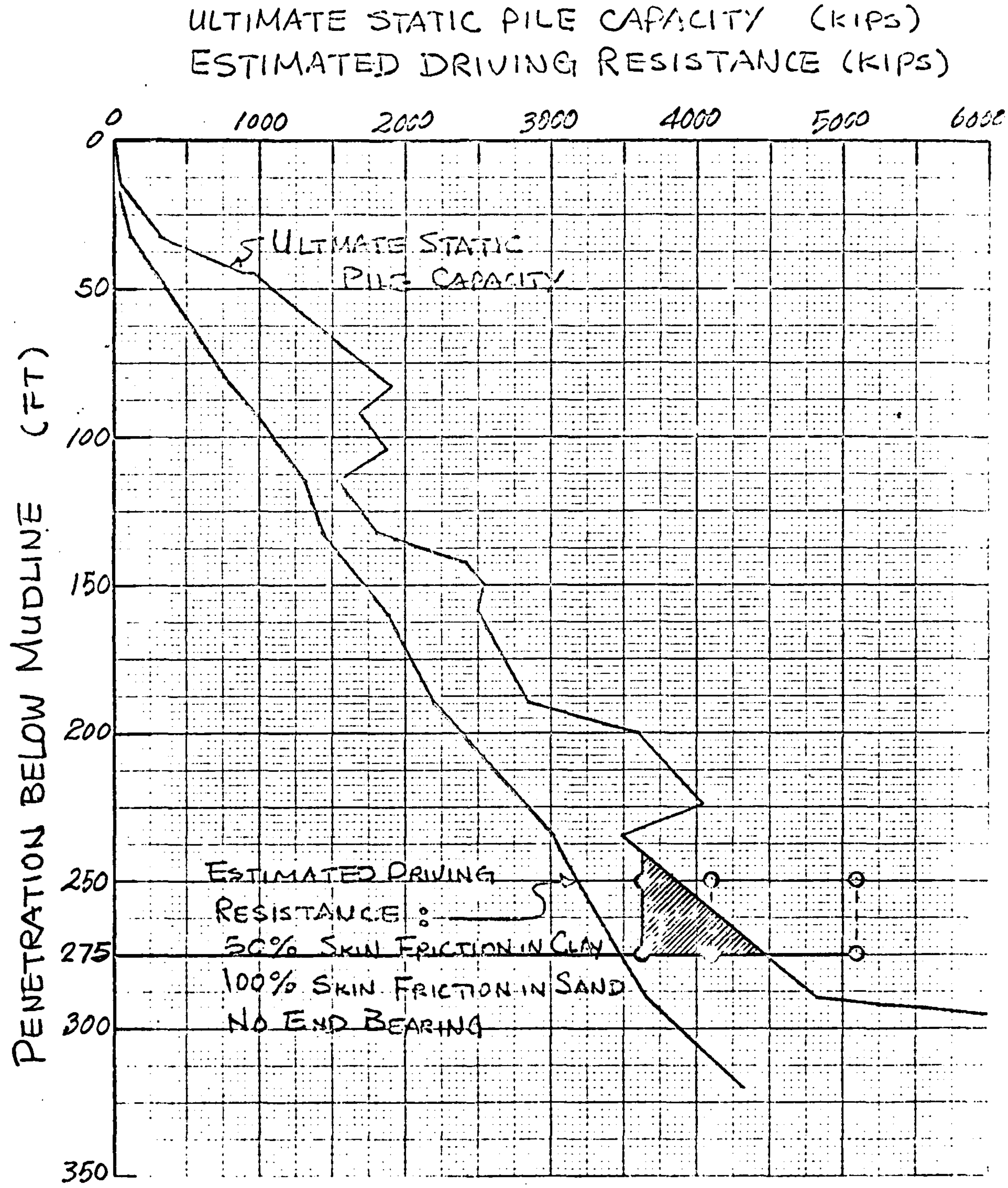
Date 6-23-76 Job No. 27-271-01 Calculation Pile Driving Resistance Curve



CRIST OFFSHORE, INC.

Sheet ___ of ___

By C. Chern Client U.S. NAVY Subject Foundation Analysis
Date 6-4-76 Job No. 27-771-97 Calculation Pile Driving Resistance Curve



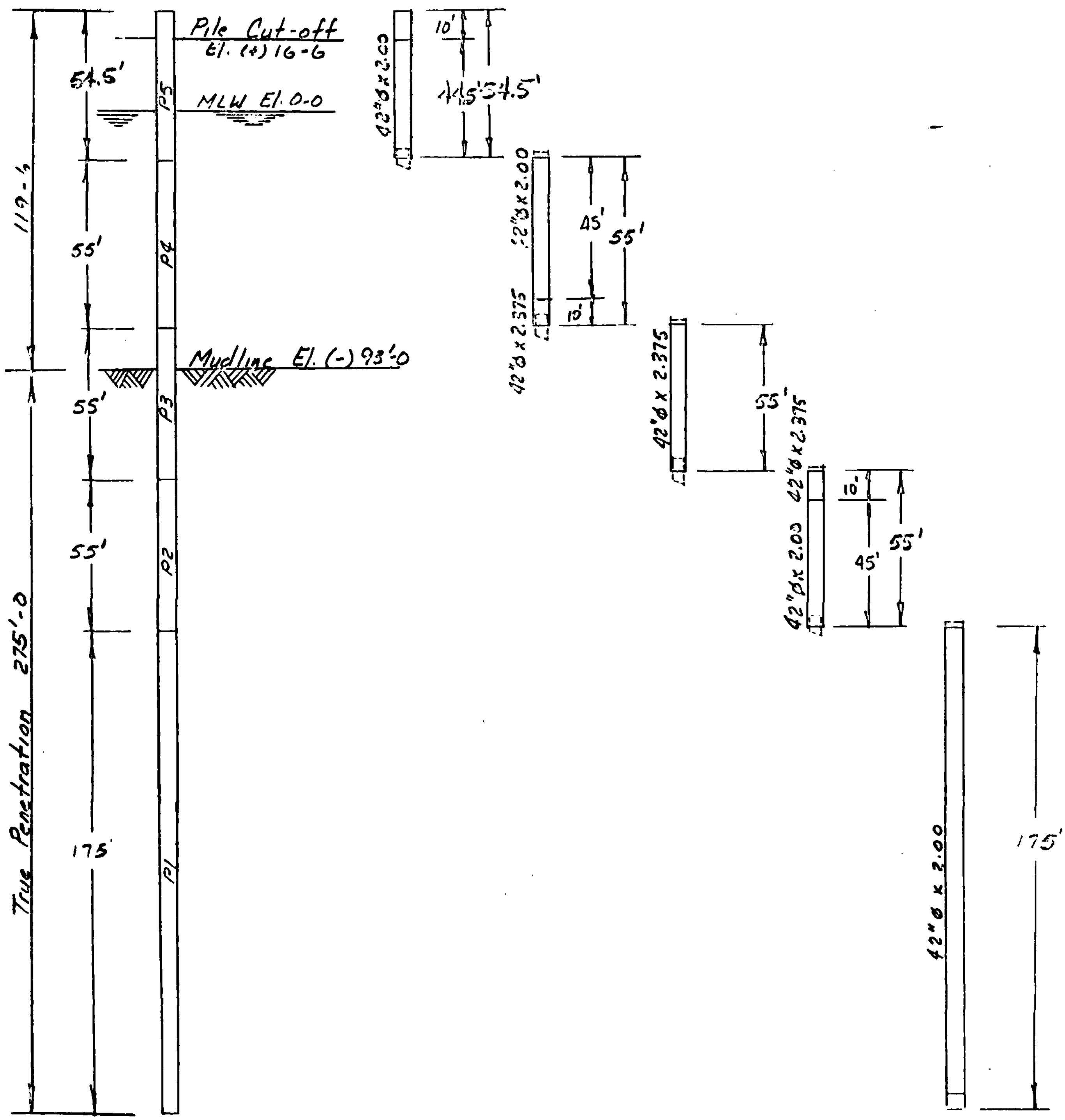
2-in Uniform Wall

(Boring #2)

42-IN DIAMETER PIPE PILES

9.6 PILE SCHEDULE

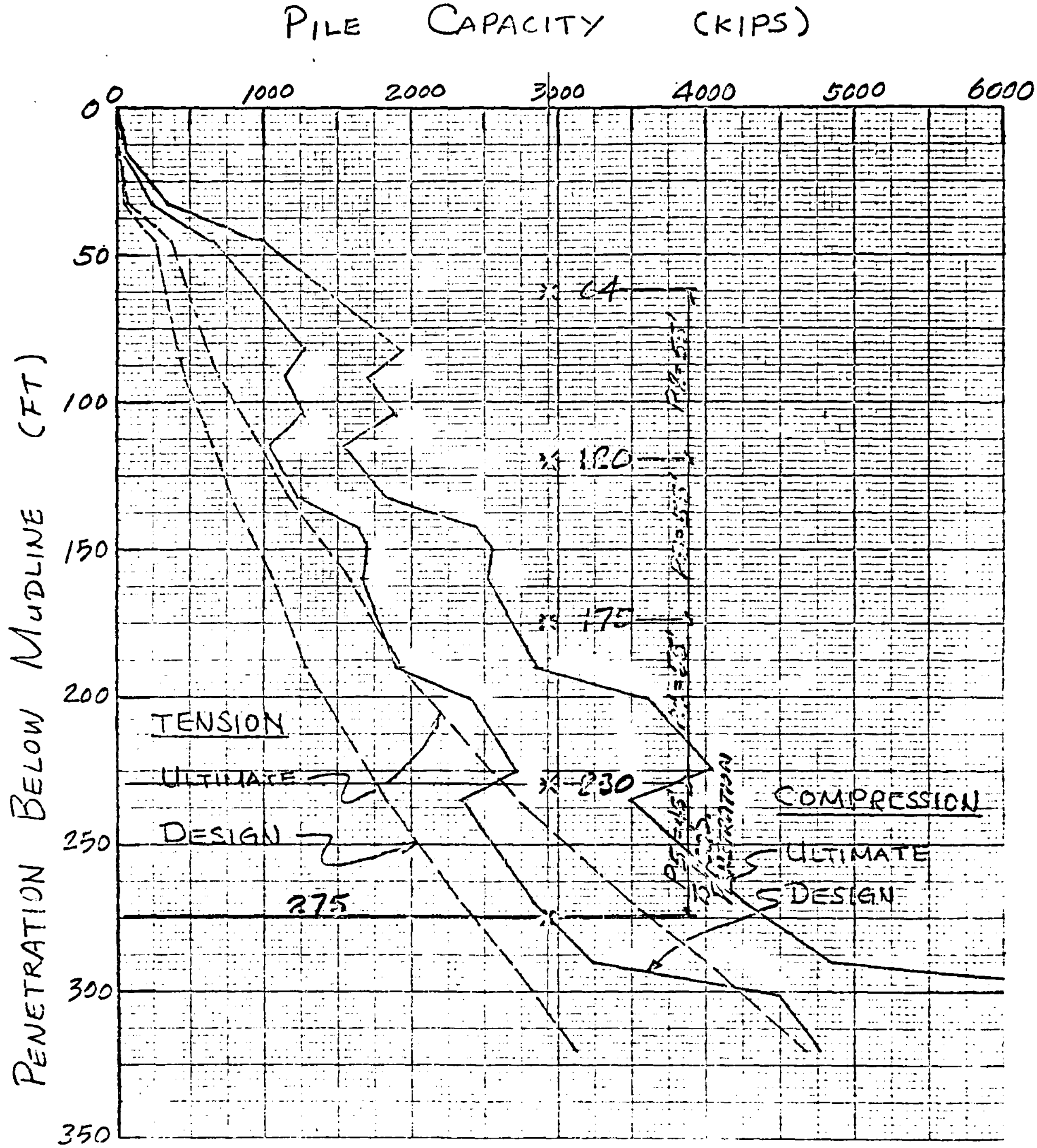
Site #2



CREST OFFSHORE, INC.

Sheet ___ of ___ 7.07

By C. Chern Client U.S. NAVY Subject Foundation Analysis
Date 6-1-76 Job No. 27-771-97 Calculation Pipe Pile Capacity Curves



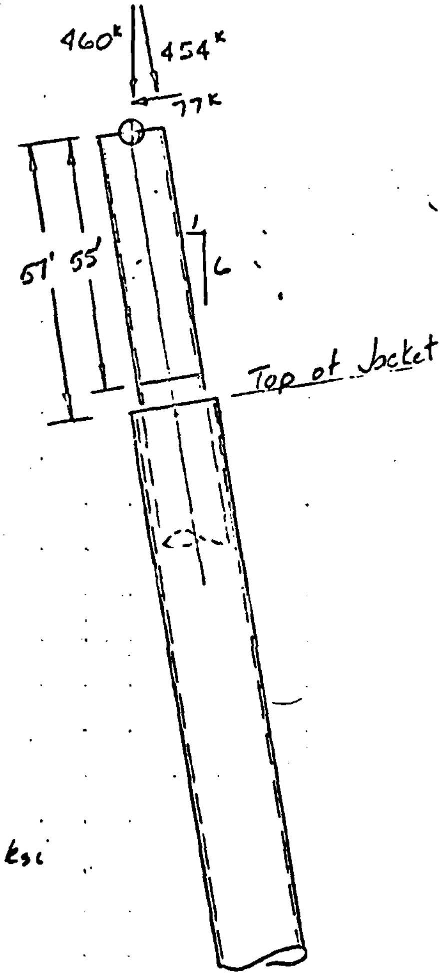
42-IN. DIAMETER PIPE PILES

(Boring #2)

CREST OFFSHORE, INC. Sheet 1.10 of

By V. Talbot Client U.S. Navy Subject Design of 93' MLW Structure
Date 8-23-76 Job No. 27-771-96 Calculation Pile Analysis

Check Maximum Length of Pile Add-on -



Weight of Hammer w/ Leads = 230^k

Using an impact factor of 2.0,

Total Vertical Load = 460^k

Weight of Piling (42" x 2.375") = 0.084 k/in

Assume L = 57 ft. = 684 in

$$f_{b_{hammer}} = \frac{PL}{S} = \frac{77^k \times 684_{in}}{2400\ in^3} = 22.0\ ksi$$

$$f_{b_{Piling}} = \frac{wl^2}{2S} = \frac{0.014\ ^k/_{in}\ (684_{in})^2}{2 \times 2400\ in^3} = 1.4\ ksi$$

$$f_{b_{total}} = 23.4\ ksi$$

$$f_{a_{Total}} = \frac{454^k}{251\ in^2} + \frac{0.084\ ^k/_{in}\ (684)}{251\ in^2} = 2.0\ ksi$$

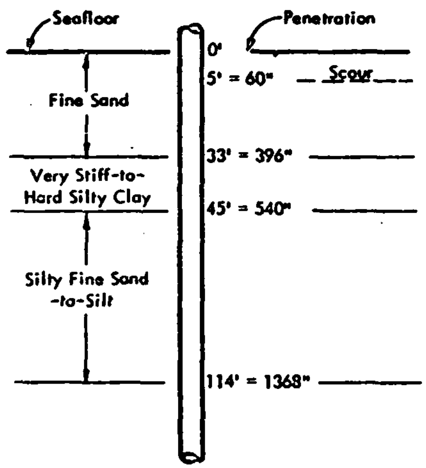
$$f_{total} = 22.0 + 1.4 + 2.0 = 25.4\ ksi < 30\ ksi$$

∴ OK

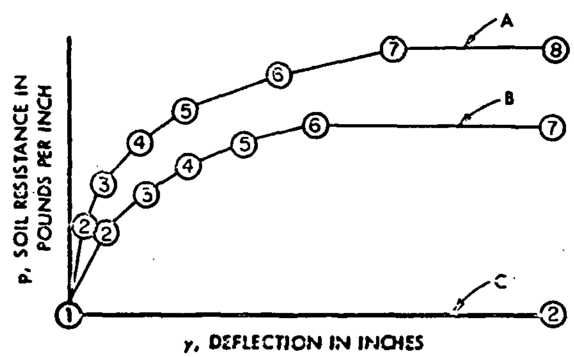
0276-041

7.12

42—IN. DIAMETER PIPE PILES																			
Penetration, Inches	Typical Curve	Coordinates of Curve Points																	
		y1	P1	y2	P2	y3	P3	y4	P4	y5	P5	y6	P6	y7	P7	y8	P8	y9	P9
0 & 60	C	0	0	20.00	0														
96	A	0	0	0.049	107	0.12	129	0.27	153	0.43	169	0.70	188	1.58	237	20.00	237		
168	A	0	0	0.036	366	0.11	611	0.26	906	0.42	1136	0.70	1440	1.58	2274	20.00	2274		
288	A	0	0	0.069	1204	0.14	1681	0.28	2347	0.43	2896	0.70	3544	1.58	5830	20.00	5830		
396	A	0	0	0.12	2789	0.18	3444	0.31	4456	0.45	5337	0.70	6572	1.58	10515	20.00	10515		
397	B	0	0	0.064	1354	0.16	1838	0.40	2494	1.01	3334	2.52	4594	20.00	4594				
540	B	0	0	0.064	2321	0.16	3150	0.40	4275	1.01	5002	2.52	7375	20.00	7875				
541	A	0	0	0.078	2532	0.15	3433	0.29	4719	0.44	5791	0.70	7259	1.53	11615	20.00	11615		
780	A	0	0	0.075	3542	0.15	4840	0.28	6680	0.44	8210	0.70	10303	1.53	16435	20.00	16435		
1080	A	0	0	0.073	4756	0.14	6551	0.28	9079	0.44	11176	0.70	[illegible]	1.53	22464	20.00	22464		
1081	A	0	0	0.023	1499	0.093	3003	0.25	4689	0.41	[illegible]	0.70	[illegible]	1.53	[illegible]	20.00	[illegible]		
1140	A	0	0	0.023	1581	0.098	3167	0.25	4945	0.41	6314	0.70	[illegible]	1.53	13001	20.00	13001		
1368	A	0	0	0.022	1838	0.097	3728	0.25	5833	0.41	7452	0.70	9594	1.53	15350	20.00	15350		



STRATIGRAPHY ASSUMED FOR P-Y DATA



TYPICAL CURVES

P-Y DATA

BORING 2

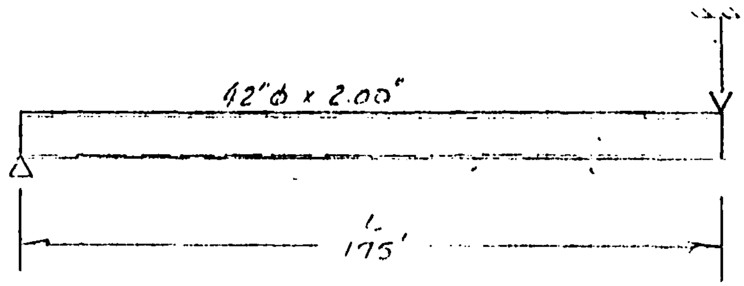
CREST OFFSHORE, INC.

Sheet ____ of ____

By J. Talbot Client U.S. Navy Subject Design of 93' MLW Structure

Date 8-23-76 Job No. 22-771-96 Calculation Pile Analysis

Check Maximum Length of Pile for Pick-up -



42"ϕ x 2.00" - $\omega = 0.859\ k/ft$

$$M_{max} = \frac{\omega l^2}{8} = 3270\ ft\cdot kips$$

$$f_b = \frac{M}{S} = \frac{3270\ ft\ kips \times 12}{2400\ in^3} = 16.3\ ksi$$

16.3 ksi < 21.6 ksi ∴ OK

SECTION 10.0

INSTALLATION ANALYSES

10.1 INTRODUCTION

This section contains the analyses considered pertinent to the installation of the structure.

Section 10.2 includes the check of the stresses on the structural members at the mudline due to the soil pressure on the jacket before the piling can be attached to the jacket.

Section 10.3 is the analysis of the recommended lifting eyes for the jacket lift. For the analysis of the recommended lifting eyes for the superstructure, refer to Report No. 27-771-98.

Section 10.4 is the lift analysis for the jacket. The computer output for the analysis is in Appendix B.8. For the lift analysis of the superstructure, refer to Report No. 27-771-98.

Section 10.5 contains the floatation analysis for the jacket.

Reference Drawings:

3016290	Jacket - Elevations
3016291	Jacket - Plan at El. (+) 12'-0"
3016292	Jacket - Plan at El. (-) 12'-0" & (-) 39'-0"
3016293	Jacket - Plan at El. (-) 66'-0" & (-) 93'-0"
3016297	Jacket - Lift Eye Details

10.2 SOIL PRESSURE ON STRUCTURE

WEIGHT OF JACKET = 352.86^K

WEIGHT OF 1 PILE (163') = 139.2^K

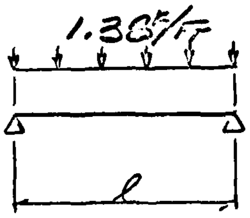
BUOYANT WEIGHT OF JACKET = 153.61^K

WEIGHT = $352.86 + 139.2 - 153.61 = 338.45^K$

BEARING AREA OF BRACES = $58917.6\ in^2$

BEARING STRESS ON BRACE = $\frac{338.45^K}{58917.6} = 5.7\ \#/in^2$

CHECK BENDING STRESS IN BRACES

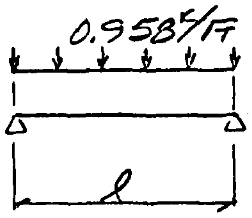


BRACE: 20"ϕ x 0.625 WALL
$l = 30.3073'$

$W = 1.38^K \times 30.3073' = 41.82^K$

$M_{MAX} = \frac{Wl}{8} = 158.4^{'K}$

BRACE STRESS = $\frac{158.4 \times 12}{178.7} = 10.64^{KSI}$ (PINNED



BRACE: 14"ϕ X 0.375 WALL
$l = 30.3073$

$W = 0.958^K \times 30.3073' = 29.03^K$

$M_{MAX} = \frac{Wl}{8} = 109.95^{'K}$ FIXED ENDS $M_{MAX} = \frac{Wl}{12} = 73.3^{'K}$

BRACE STRESS = $\frac{109.95 \times 12}{53.2} = 24.8^{KSI}$ (PINNED)

CHECK BENDING STRESS IN BRACES CONTD.

$$\text{BRACE STRESS} = \frac{73.3 \times 12}{53.2} = 16.53^{KSI} \quad (\text{FIXED})$$

CREST OFFSHORE, INC.

By DFB Client U.S. Navy Subject Design of 83' ULL Struct...

Date 2-1-76 Job No. 22-771-SS Calculation Installation Analysis

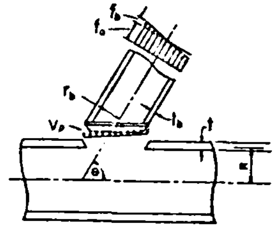
Sheet ___ of ___

$$V_p = Q_q Q_f \frac{F_y}{0.9\gamma}$$ (plus ⅓ increase where applicable) ...(23)

Where

F_y = the yield strength of the chord member at the joint (or ⅔ the tensile strength if less)

$\gamma = R/t$, the chord radius divided by the chord thickness.



GIVEN THE JOINT GEOMETRY AS DEFINED BY τ, γ, θ AND β AS WELL AS BRACE STRESSES f_a AND f_b, THE FOLLOWING MAY BE USED TO DETERMINE THE CALCULATED PUNCHING SHEAR Vp:

$$v_p = \tau\left(\sin\theta\ \frac{f_a}{K_a} + \frac{f_b}{K_b}\right)$$

Q_q is a design factor for the brace to chord diameter ratio, β.

Q_q = 1.0 for $\beta < 0.6$

$Q_q = \frac{0.3}{\beta(1-.833\beta)}$ for $\beta > 0.6$

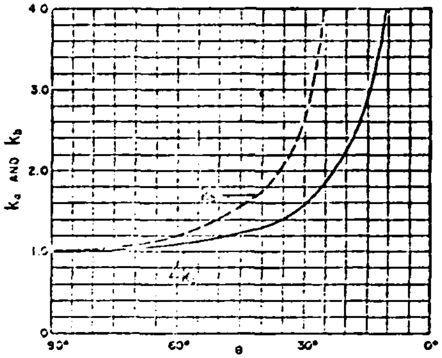
Q_f is a design factor for the presence of axial load in the chord.

Q_f = 1.0 for A < 0.44

Q_f = 1.22 − 0.5A for A > 0.44

Where A is the AISC ratio for the chord, i.e.

$$A = \frac{|f_a| + |f_b|}{0.6\ F_y}$$ (⅓ increase applicable to denominator)

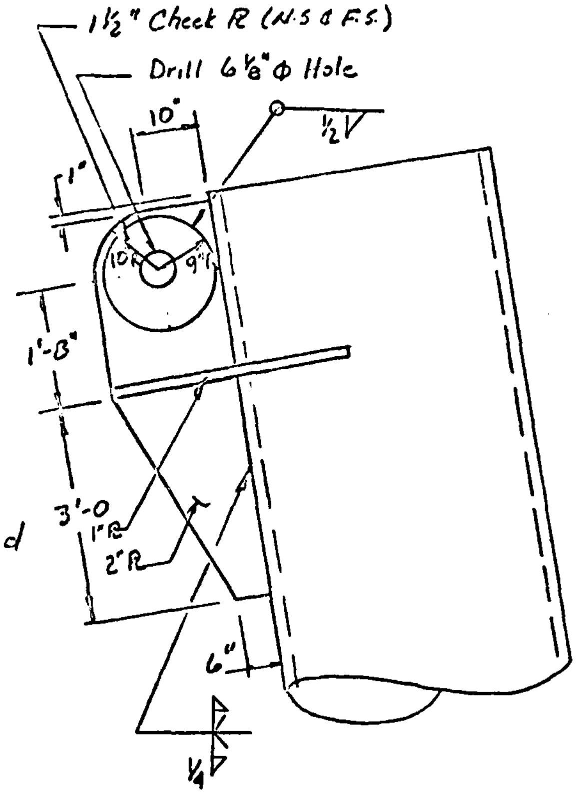


		BRACE			CHORD		GEOMETRY PARAMETERS			PUNCHING SHEAR PARAMETERS			ALLOWABLE PARAMETER		RESULTS	
Jt.	Load Conc.	Member Size	f_a (ksi)	f_b (ksi)	Member Size	U.C.	τ t_b/t	β r_b/R	γ R/t	θ	K_a	K_b	C_3	Q_f	v_p	V_p
		14Ø×0.375	—	3.53	24Ø×0.875	—	0.4[illegible]	0.539	13.21	60.0	1.1	1.2	1.0	1.0	5.11	6.57
		16Ø×0.75	1.40	—	24Ø×0.875	—	0.857	0.655	13.21	46.2	1.233	1.53	1.0	1.0	0.80	6.57

By J. Talbot Client U.S. Navy Subject Design of 23' MLW Structure
Date 8-17-76 Job No. 27-771-25 Calculation LIFTING EYE ANALYSIS

10.3 Lifting Eyes - Jacket

Vertical Lift



Weight of Jacket = 380^k
(excluding boat landing & bumpers)

Assumptions:

1. Entire weight is at one lift eye.
2. Impact Factor of 2.0
3. Total applied load can be acting completely horizontal or completely vertical.
4. Sling $\theta = 60°$ for maximum load

$\therefore$ Max $P = 880^k$ at $\theta = 60°$

Check Shear in Pin

Use 6.00" Pin in double shear

$$f_s = \frac{P}{A} = \frac{880^k}{2(\pi\, 3.00^2)} = 15.6 \text{ ksi}$$

$$F_s = 0.4\,(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$15.6 < 19.2$$

Lifting Eyes - Jacket

Vertical Lift

Check Bearing on Plate

$$f_{br} = \frac{P}{Dt} = \frac{880^k}{(6.00)(5.00)} = 29.3 \text{ ksi}$$

$$F_{br} = 0.9(36 \text{ ksi}) = 32.4 \text{ ksi}$$

$$29.3 < 32.4$$

Check Pin Shearing Through Plates

$$A = 4\left[(9-3)\times 1.5\right] + 2\left[(10-3)\times 2\right]$$

$$A = 36 + 28 = 64 \text{ in}^2$$

$$f_s = \frac{880^k}{64 \text{ in}^2} = 13.8 \text{ ksi}$$

$$F_s = 0.4(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$13.8 < 19.2$$

Lifting Eyes - Jacket

Vertical Lift

Check Tension Through Lift Eye

$$A = 4\left[(9-3) \times 1.5\right] + 2\left[(10-3) \times 2.0\right]$$

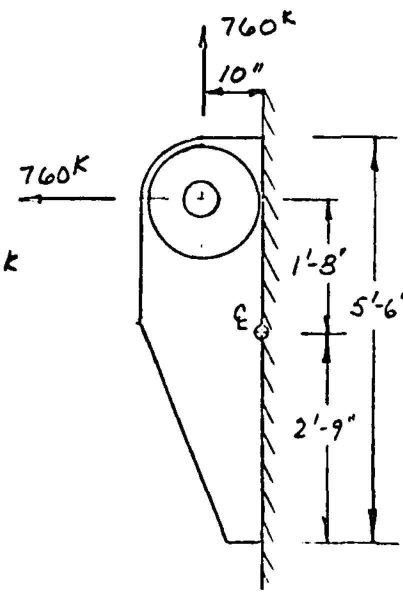
$$A = 64 \text{ in}^2$$

$$f_t = \frac{880^k}{64 \text{ in}^2} = 13.8 \text{ ksi}$$

$$F_t = 0.6\,(36 \text{ ksi}) \times 1.33 = 28.7 \text{ ksi}$$

$$13.8 < 28.7$$

Check Combined Bending and Tension



Shear Force = 760^k

Tension Force = 760^k (Conservative)

$$M_{\mathrm{℄}} = 760^k \times 20'' - 760^k \times 10'' = 7600 \text{ in-k}$$

$$f_s = \frac{760^k}{(66'')(2'')} = 5.8 \text{ ksi}$$

$$f_n = \frac{7600\,(6)}{2''\,(66'')^2} + \frac{760^k}{(66'')(2'')} = 11.0 \text{ ksi}$$

Using Mohr's Circle,

$$f_{n\,max} = \frac{11.0}{2} + \left[\left(\frac{11.0}{2}\right)^2 + (5.8)^2\right]^{1/2} = 13.5 \text{ ksi}$$

$$F_n = 0.6\,(36 \text{ ksi}) \times 1.33 = 28.7 > 13.5$$

Lifting Eyes - Jacket

Vertical Lift

Assuming an average shear distribution,

$$f_{s\,max} = \left[\left(\frac{11.0}{2}\right)^2 + (5.8)^2 \right]^{1/2} = 8.0 \text{ ksi}$$

$$F_s = 0.4\,(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi} > 8.0$$

Assume shear distribution parabolic, maximum shear at center of plate.

$$f_s = 1.5\,(5.8) = 8.7 \text{ ksi}$$

$$f_n = \frac{760}{(66")(2.0")} = 5.8 \text{ ksi}$$

$$f_{s\,max} = \left[\left(\frac{5.8}{2}\right)^2 + (8.7)^2 \right]^{1/2} = 9.2 \text{ ksi}$$

$$9.2 < 19.2$$

Check Weld of Cheek Plates

$$\frac{A_e}{A_{Total}} = \frac{1.5}{5.0} = 0.30$$

$$P_{shear} = 880^k \times 0.30 = 264^k$$

$$\frac{P}{C} = \frac{264^k}{\pi\, 18"} = 4.7 \text{ k/in}$$

$$\omega = \frac{4.7}{11.2} = 0.42 \text{ in}$$ Use 1/2" fillet Weld

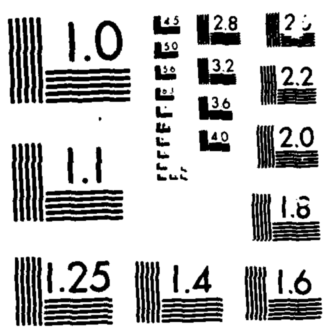
CRUST OFFSHORE, INC.

Sheet ___ of ___

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' [illegible] STRUCT...
Date 9-3-76 Job No. 87-771-95 Calculation LIFT ANALYSIS

10.4 LIFT ANALYSIS

AD-A165 689   DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR   3/7
COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA
OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614
UNCLASSIFIED   N62477-76-C-0179   F/G 13/13   NL



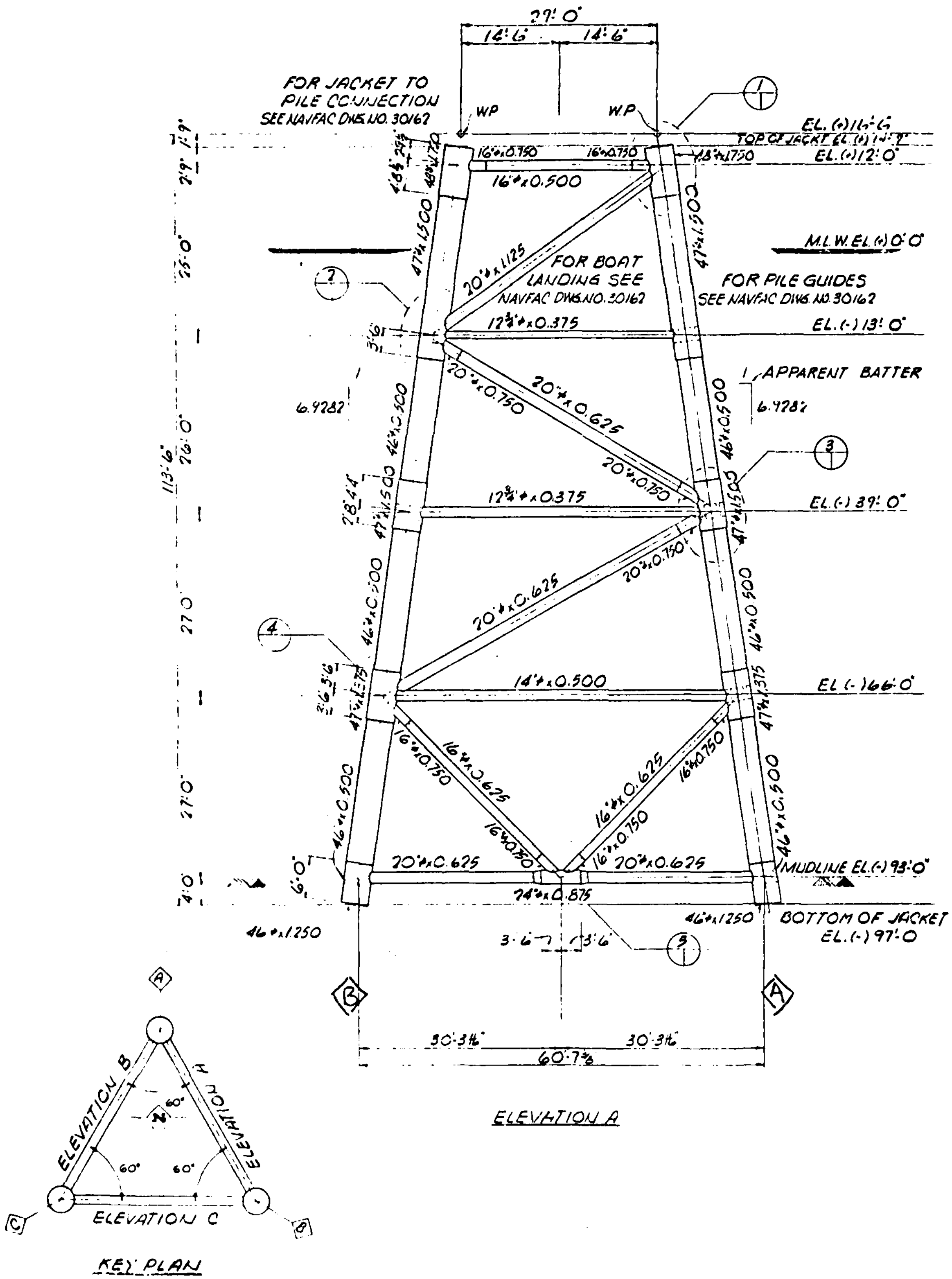
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

10.07

CREST OFFSHORE, INC.

Sheet ____ of ____

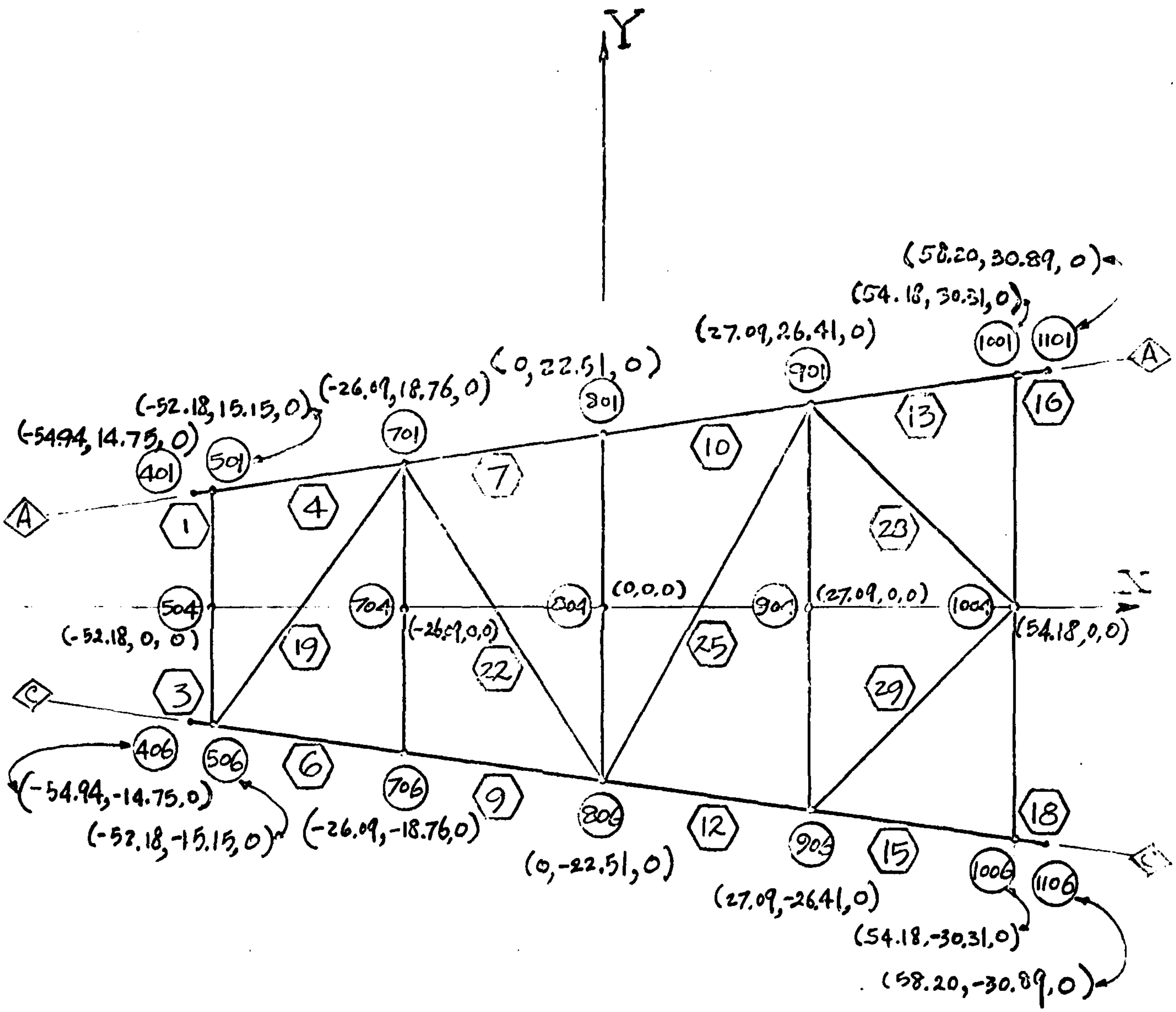
By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-771-01 Calculation Platform 2



CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-20-76 Job No. 27-771-01 Calculation Platform #2



$$27 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 27.09$$

$$58 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 58.20$$

$$26 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 26.09$$

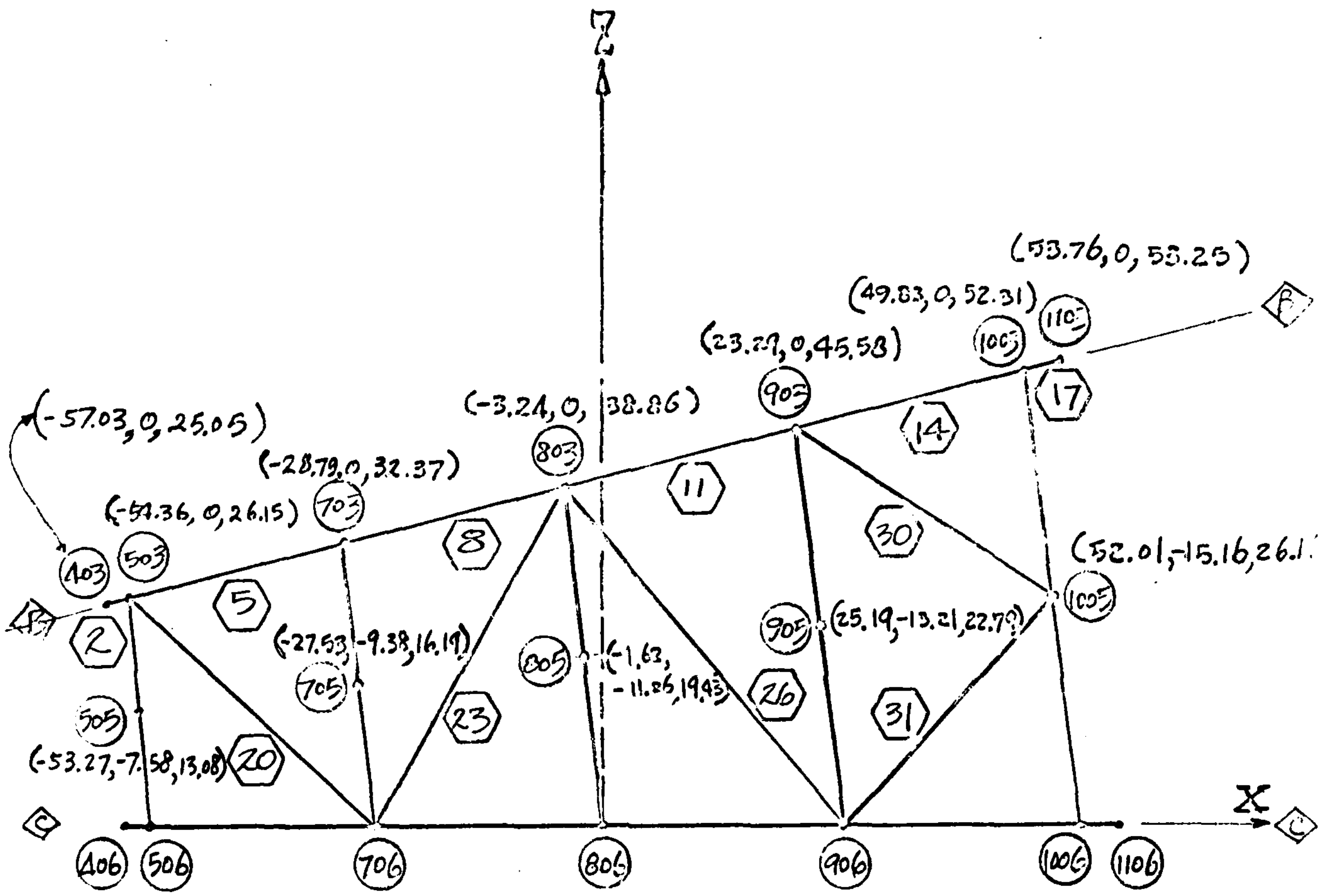
$$54.75 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 54.94$$

CREST OFFSHORE, INC.

Sheet ___ of ___

By C. Cherr Client U.S. NAVY Subject Lifting Analysis

Date 8-20-76 Job No. 27-771-01 Calculation Platform #2



JOINT	
703	$32.48 \times \frac{12}{\sqrt{145}} = 32.37$
	$32.48 \times \frac{1}{\sqrt{145}} = 2.70$
503	$26.24 \times \frac{12}{\sqrt{145}} = 26.15$
	$26.24 \times \frac{1}{\sqrt{145}} = 2.18$
403	$25.14 \times \frac{12}{\sqrt{145}} = 25.05$
	$25.14 \times \frac{1}{\sqrt{145}} = 2.09$

JOINT	
1003	$52.49 \times \frac{12}{\sqrt{145}} = 52.31$
	$52.49 \times \frac{1}{\sqrt{145}} = 4.35$
903	$45.74 \times \frac{12}{\sqrt{145}} = 45.58$
	$45.74 \times \frac{1}{\sqrt{145}} = 3.80$
803	$38.99 \times \frac{12}{\sqrt{145}} = 38.86$
	$38.99 \times \frac{1}{\sqrt{145}} = 3.24$

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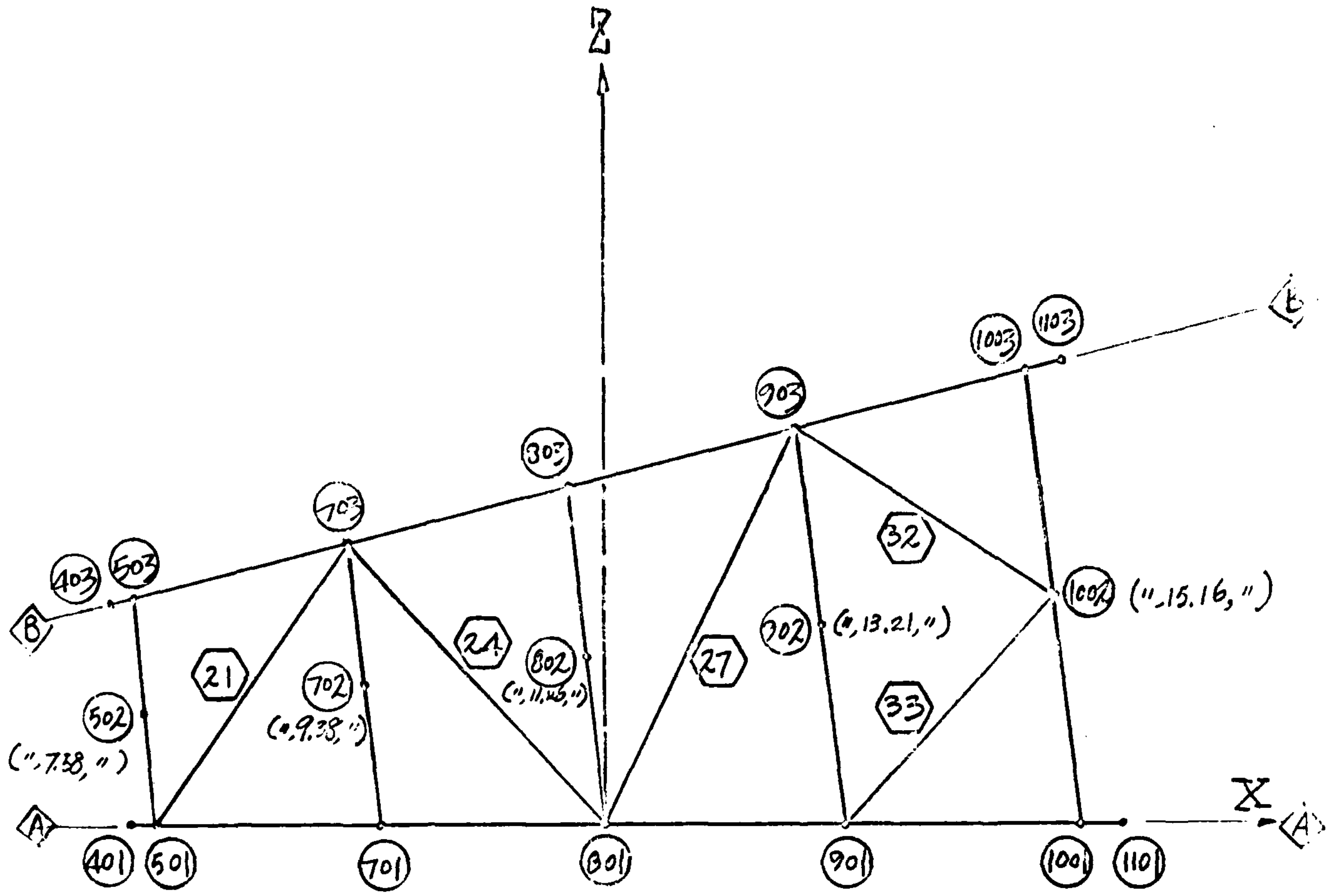
Sheet ____ of ____

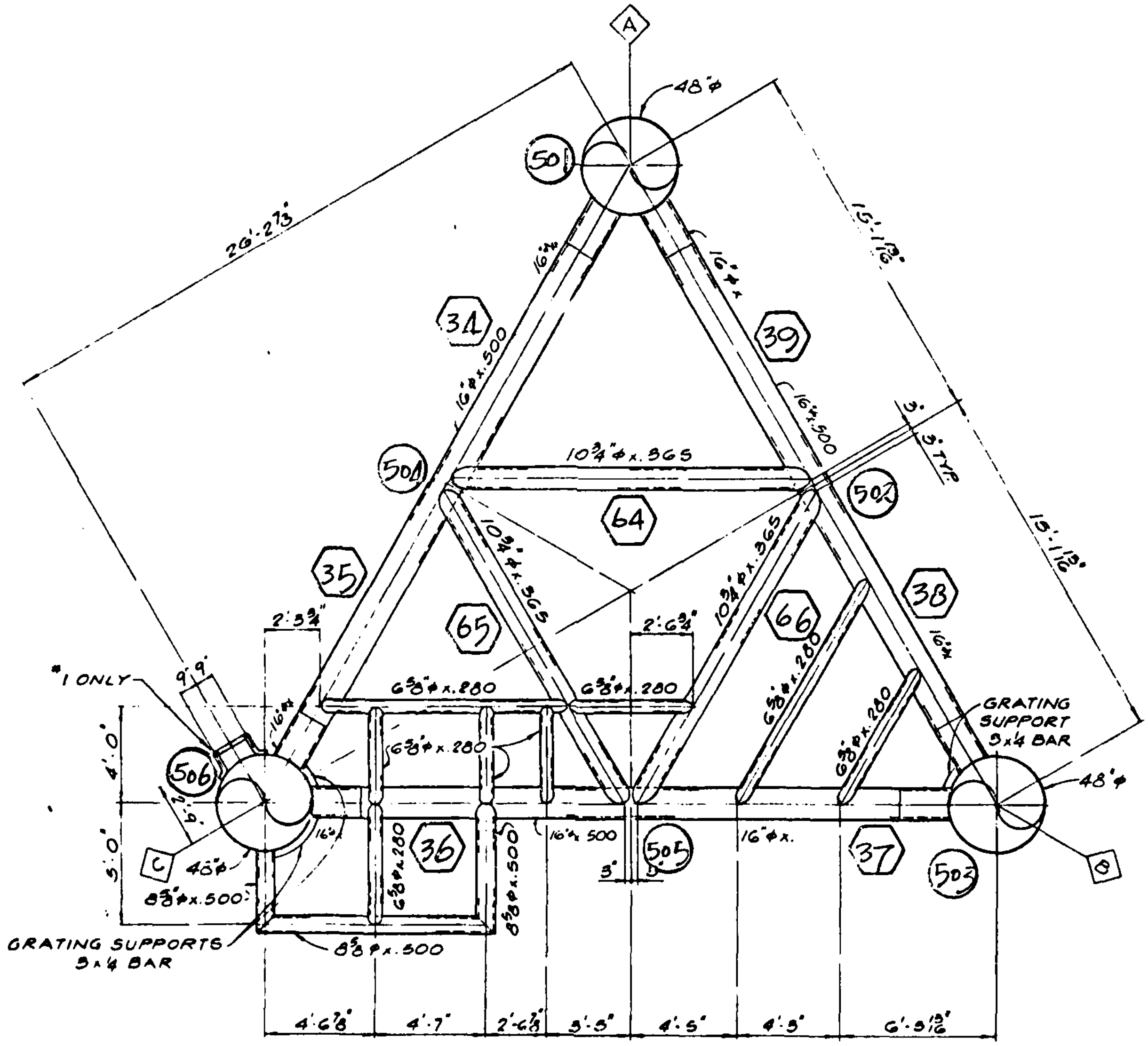
By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-20-76 Job No. 27-771-01 Calculation Platform #2



CREST OFFSHORE, INC.

Sheet ____ of ____

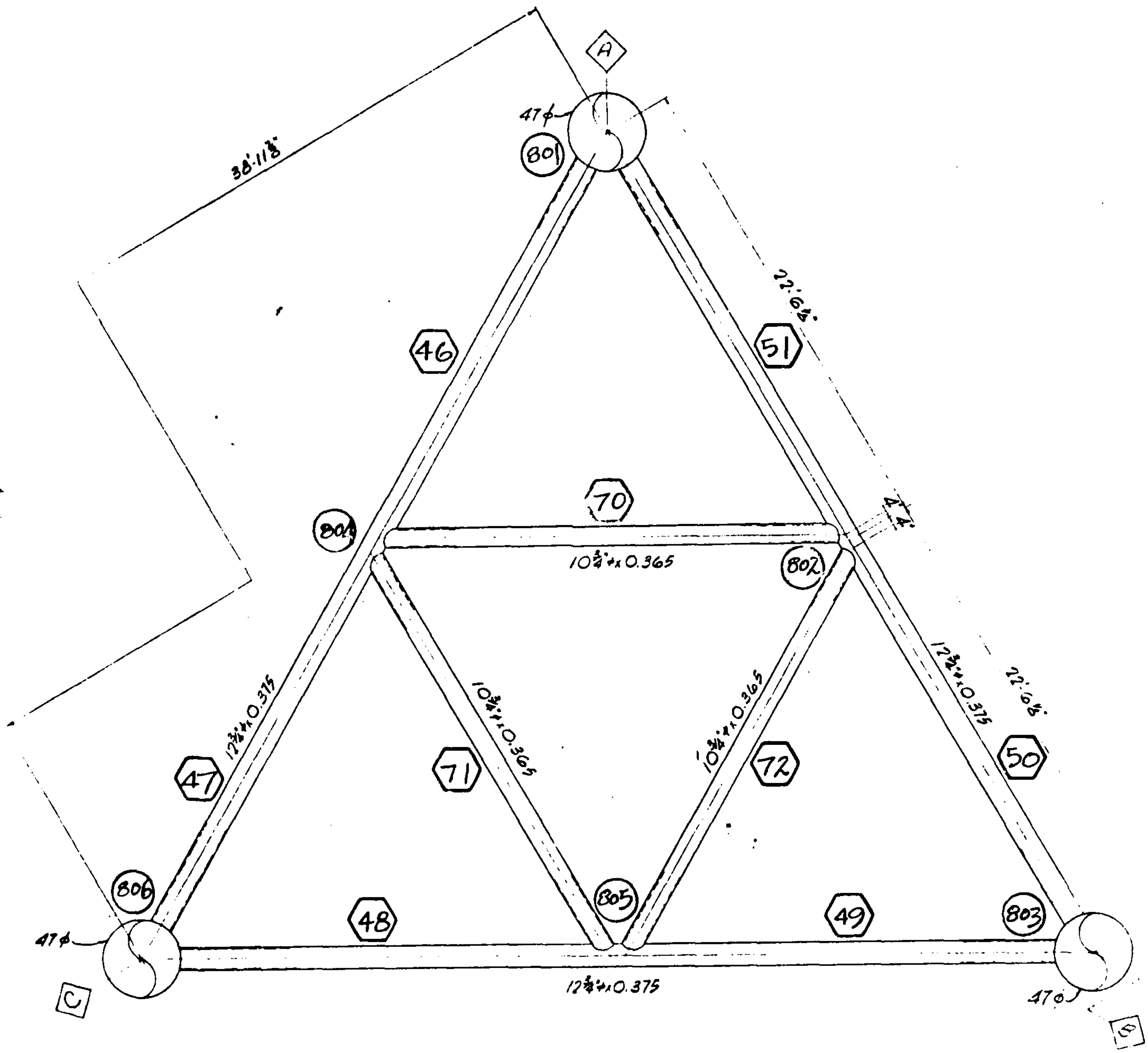
By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-771-01 Calculation Platform #B



CREST OFFSHORE, INC.

Sheet ____ of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-77L-01 Calculation Platform #2



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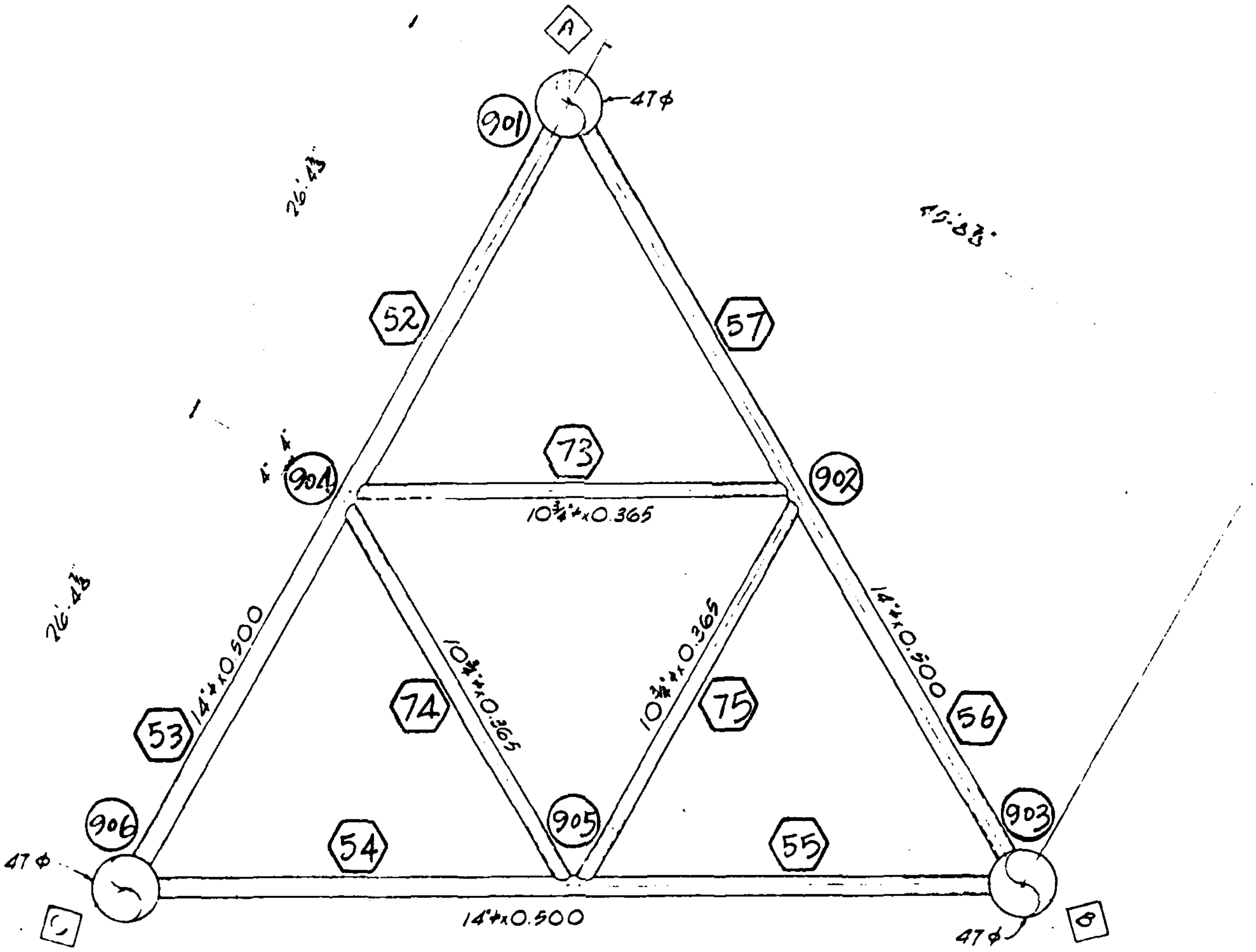
Sheet 10.16 of

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-77L-2L Calculation Platform #7



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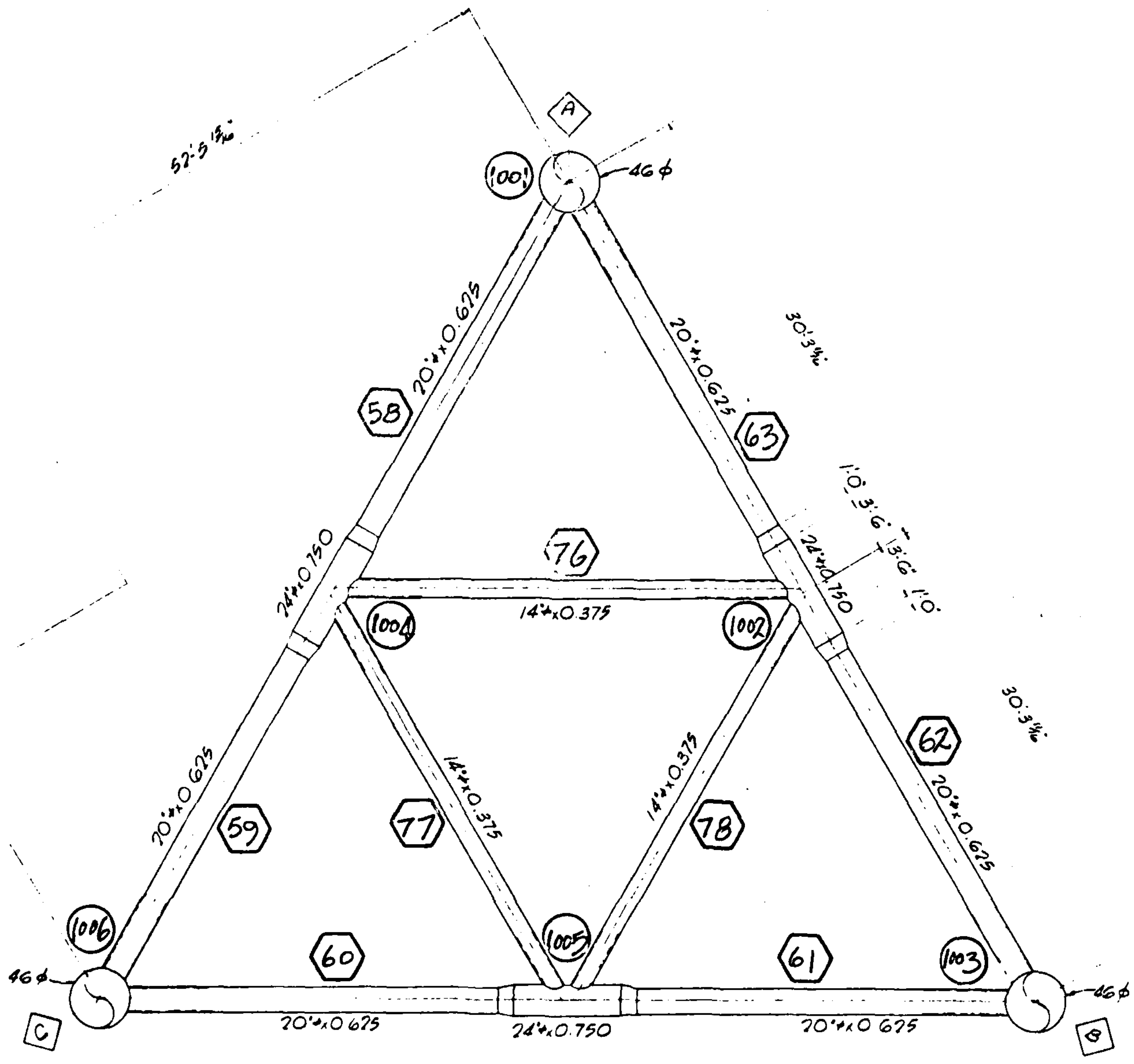
Sheet 10.17 of

By C. Chorn Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-271-01 Calculation Platform #2



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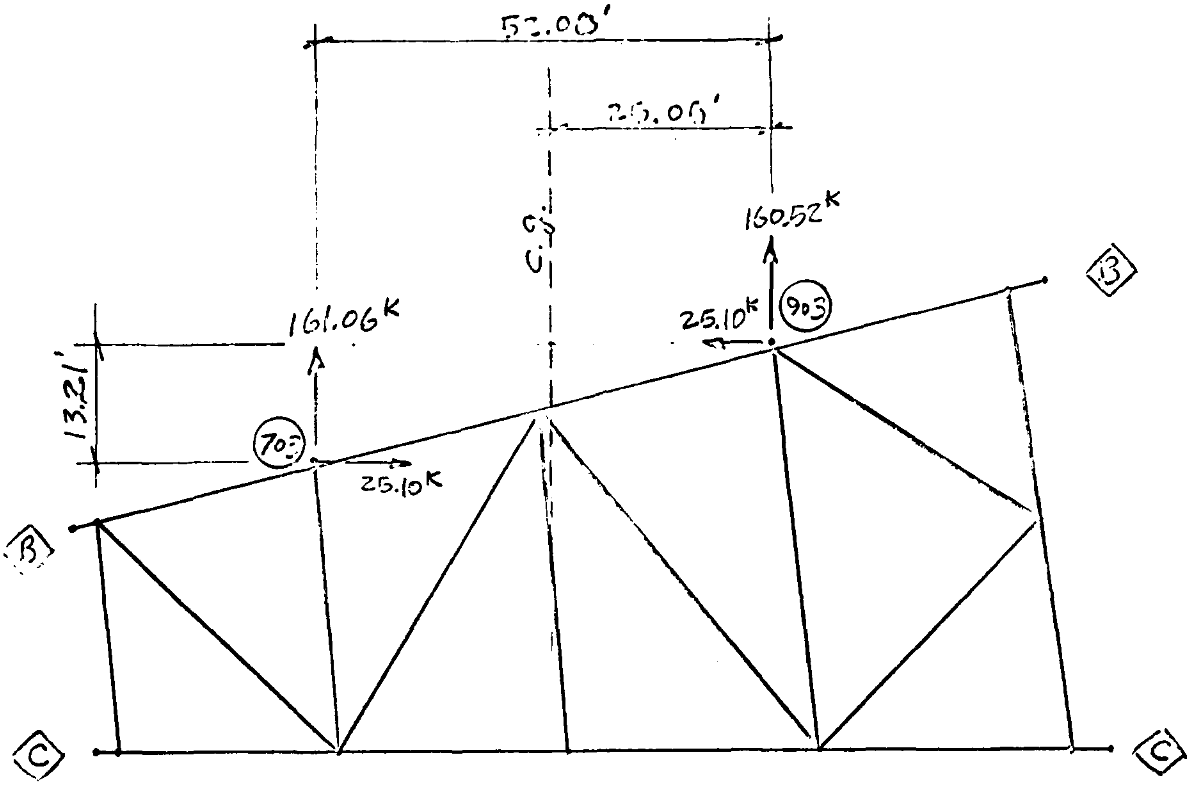
Sheet ___ of ___ 18

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-24-76 Job No. 27-771-01 Calculation Platform #2

LOCATION OF CENTER OF GRAVITY



$$\Sigma M_{903} = 0$$

$$\bar{x} = \frac{161.06 \times 52.08 - 25.10 \times 13.21}{161.06 + 160.52}$$

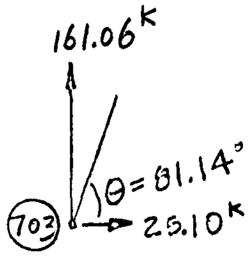
$$= 25.05'$$

$$(25'\text{-}0\tfrac{1}{2}'')$$

CREST OFFSHORE, INC. Sheet 10.19 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-24-76 Job No. 27-221-01 Calculation Platform #2

JOINT No. 703

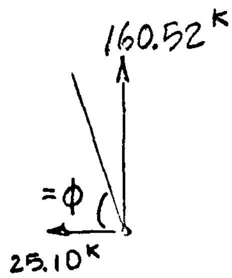


$$\theta = \tan^{-1}\frac{161.06}{25.10} = 81.14^\circ$$

$$\text{Sling Force} = 160.06 / \sin 81.14^\circ$$

$$= 162 \text{ kips}$$

JOINT No. 903



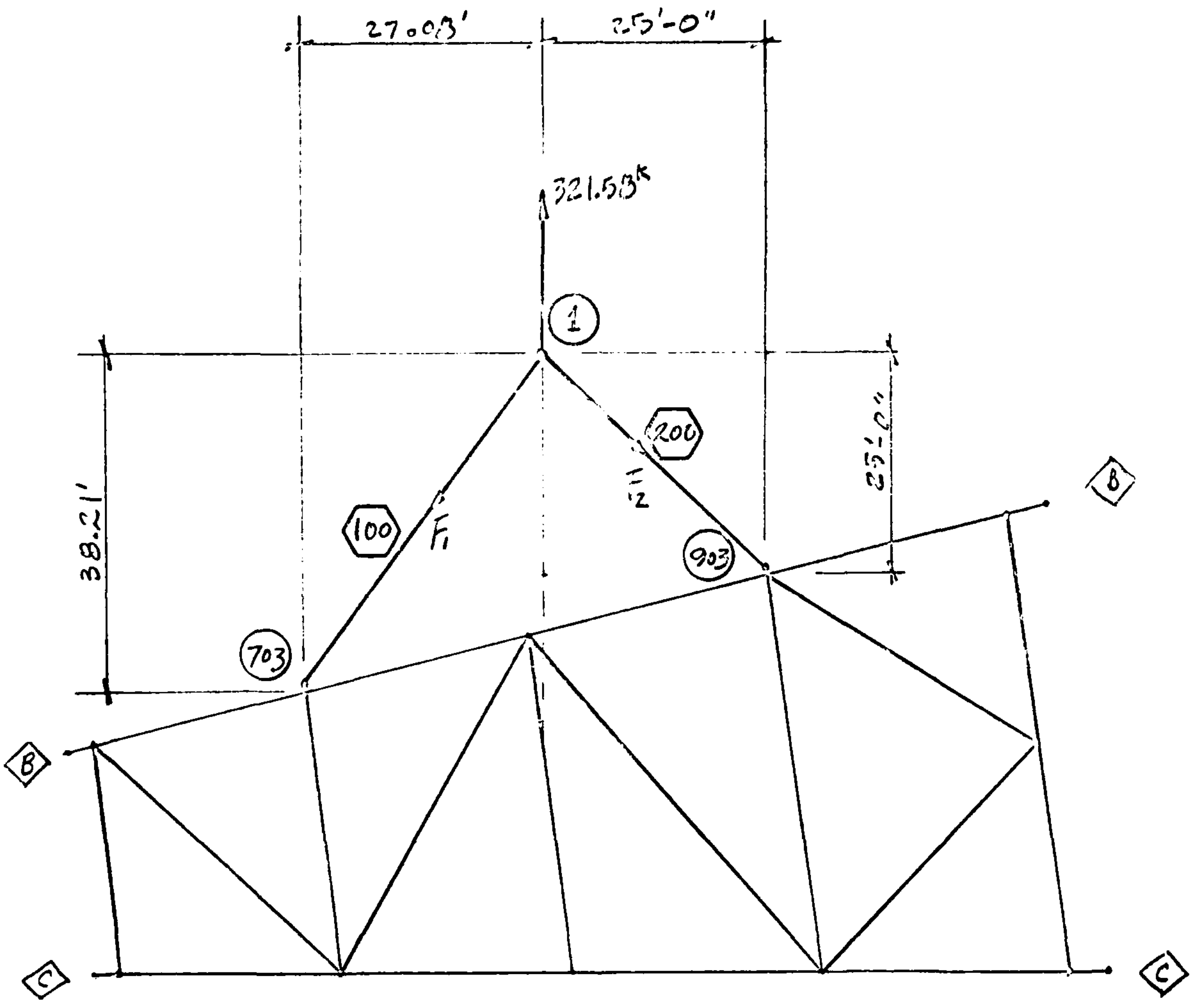
$$\phi = \tan^{-1}\frac{160.52}{25.10} = 81.12^\circ$$

$$h = 25.05 \times \tan 81.12^\circ = 160.2 \text{ FT}$$

$$\text{Sling Force} = 160.52 / \sin 81.12^\circ$$

$$= 162.47 \text{ kips}$$

SINGLE POINT LIFTING (FOR CHECKING ONLY)



Sling Length #200 $\ell_2 = \sqrt{25^2+25^2} = 35.36'$ (35'-4")

#100 $\ell_1 = \sqrt{27.08^2+38.21^2}$

$= 46.83'$ (46'-10")

Equilibrium @ Pt. 1

$$\begin{cases} \dfrac{F_2}{\sqrt{2}} + F_1 \times \dfrac{38.21}{\sqrt{27.08^2+38.21^2}} = 321.58 & (a) \\[2ex] \dfrac{F_2}{\sqrt{2}} = F_1 \times \dfrac{27.08}{\sqrt{27.08^2+38.21^2}} & (b) \end{cases}$$

from Eq. (b) $F_2 = F_1 \times \dfrac{27.08\sqrt{2}}{\sqrt{27.08^2+38.21^2}}$

from Eq. (a) $\dfrac{(27.08+38.21)F_1}{\sqrt{27.08^2+38.21^2}} = 321.58$

$$F_1 = \frac{321.58 \times 46.83}{65.29}$$

$$= 230.66 \text{ kips} \leftarrow$$

$$F_2 = 230.66 \times \frac{27.08\sqrt{2}}{46.83}$$

$$= 188.63 \text{ kips} \leftarrow$$

By [signature] Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCT.

Date 9-3-76 Job No. 22-271-95 Calculation FLOATATION ANALYSIS

10.5 FLOATATION ANALYSIS

Buoyancy of Jacket in Launch Mode = 414.8^K
(Ref. Section 10.5, p 10.23)

Weight of Jacket in Launch Mode

Material Listing	= 359.5^K
Anodes	= 10.9^K
	370.4^K

414.8^K > 370.4^K

∴ Floatation is acheived

CREST OFFSHORE, INC.

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 9-1-76 Job No. 27-771-95 Calculation BOUYANCY-LAUNCH

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	
48.0"Ø x 1.75 WT	22.50 FT	282.60 FT³	
47.5"Ø x 1.50 WT	114.15 FT	1404.05 FT³	
47.0"Ø x 1.25 WT	18.00 FT	216.72 FT³	
45.5"Ø x 0.50 WT	183.99 FT	2077.25 FT³	
24.0"Ø x 0.875 WT	21.00 FT	65.94 FT³	
20.0"Ø x 1.125 WT	114.45 FT	249.50 FT³	
20.0"Ø x 0.75 WT	26.50 FT	57.77 FT³	
20.0"Ø x 0.625 WT	449.10 FT	979.04 FT³	
16.0"Ø x 0.75 WT	52.75 FT	73.32 FT³	
16.0"Ø x 0.625 WT	212.70 FT	295.65 FT³	
16.0"Ø x 0.50 WT	80.91 FT	112.46 FT³	
14.0"Ø x 0.50 WT	147.96 FT	156.84 FT³	
14.0"Ø x 0.375 WT	85.50 FT	90.63 FT³	
12.75"Ø x 0.375 WT	225.36 FT	198.32 FT³	
10.75"Ø x 0.365 WT	240.00 FT	151.20 FT³	
8.625"Ø x 0.50 WT	18.42 FT	7.37 FT³	
6.625"Ø x 0.280 WT	54.75 FT	12.59 FT³	
3.50"Ø x 0.216 WT	24.75 FT	1.49 FT³	
2.875"Ø x 0.375 WT	6.00 FT	0.24 FT³	
2.375"Ø x 0.154 WT	310.50 FT	9.32 FT³	
2.00 STL. PLATE	45.84 FT²	7.66 FT³	
1.50 STL. PLATE	17.69 FT²	2.21 FT³	
1.00 STL. PLATE	45.27 FT²	3.76 FT³	
0.75 STL. PLATE	47.10 FT²	2.94 FT³	
0.625 STL. PLATE	37.68 FT²	1.96 FT³	
0.50 STL. PLATE	64.50 FT²	2.69 FT³	
0.375 STL. PLATE	4.13 FT²	0.13 FT³	
0.250 STL. PLATE	1.70 FT²	0.04 FT³	
GRATING	196.28 FT²	16.29 FT³	
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT³	
	TOTAL	6481.23 FT³	

(Bouyancy) Weight of Sea Water Displaced = 6481.23 x 64 = 414798.72#

Ald Mendoza - Eng. J.D.

CREST OFFSHORE, INC.

Sheet 10 of 24

By L. KIRK Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE

Date 9-1-76 Job No. 27-771-95 Calculation BOUYANCY - IN PLACE

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	1.) FLOODED I.D. OR 2.) ABOVE WATER LINE	
48.0"φ x 1.75 WT	22.50 FT	282.60 FT^3	282.60 FT^3 (2.)	JACKET
47.5"φ x 1.50 WT	114.15 FT	1404.05 FT^3	1404.05 FT^3 (1.&2.)	LEGS
47.0"φ x 1.25 WT	18.00 FT	216.72 FT^3	194.41 FT^3 (1.)	
45.5"φ x 0.50 WT	183.99 FT	2077.25 FT^3	1987.20 FT^3 (1.)	
24.0"φ x 0.875 WT	21.00 FT	65.94 FT^3		
20.0"φ x 1.125 WT	114.45 FT	249.50 FT^3		
20.0"φ x 0.75 WT	26.50 FT	57.77 FT^3		
20.0"φ x 0.625 WT	449.10 FT	979.04 FT^3		
16.0"φ x 0.75 WT	52.75 FT	73.32 FT^3	20.59 FT^3 (2.)	(+)12'-0"
16.0"φ x 0.625 WT	212.70 FT	295.65 FT^3		ELEV.
16.0"φ x 0.50 WT	80.91 FT	112.46 FT^3	112.46 FT^3 (2.)	
14.0"φ x 0.50 WT	147.96 FT	156.84 FT^3		
14.0"φ x 0.375 WT	85.50 FT	90.63 FT^3		
12.75"φ x 0.375 WT	225.36 FT	198.32 FT^3		
10.75"φ x 0.365 WT	240.00 FT	151.20 FT^3	28.05 FT^3 (2.)	(+)12'-0"
8.625"φ x 0.50 WT	18.42 FT	7.37 FT^3	7.47 FT^3 (2.)	ELEV.
6.625"φ x 0.280 WT	54.75 FT	12.59 FT^3	13.11 FT^3 (2.)	
3.50"φ x 0.216 WT	24.75 FT	1.49 FT^3		
2.875"φ x 0.375 WT	6.00 FT	0.24 FT^3		
2.375"φ x 0.154 WT	310.50 FT	9.32 FT^3		
2.00 STL. PLATE	45.84 FT^2	7.66 FT^3	7.66 FT^3 (2.)	LIFTING
1.50 STL. PLATE	17.69 FT^2	2.21 FT^3	2.21 FT^3 (2.)	EYES
1.00 STL. PLATE	45.27 FT^2	3.76 FT^3	3.76 FT^3 (2.)	
0.75 STL. PLATE	47.10 FT^2	2.94 FT^3		
0.625 STL. PLATE	37.68 FT^2	1.96 FT^3		
0.50 STL. PLATE	64.50 FT^2	2.69 FT^3		
0.375 STL. PLATE	4.13 FT^2	0.13 FT^3		
0.250 STL. PLATE	1.70 FT^2	0.04 FT^3		
GRATING	196.28 FT^2	16.29 FT^3	16.29 FT^3 (2.)	(+)12'-0"
ANGLE 4"x6"x3/8"	24.00 FT	1.25 FT^3	1.25 FT^3 (2.)	ELEV.
	TOTAL	6481.23 FT^3	4081.11 FT^3	

(Bouyancy) Weight of Sea Water Displaced = (6481.23) − (4081.11) × 64 = 153607.68#

SECTION 11.0

CORROSION PROTECTION

11.1 INTRODUCTION

The surface area of a marine structure is divided into three zones for corrosion protection consideration, the Submerged Zone, the Splash Zone, and the Atmospheric Zone.

The Submerged Zone is protected from corrosion by cathodic protection through the use of sacrificial anodes. The Splash Zone is protected by using one half inch thick extra material in excess of that needed for strength and then painted. The Atmosphere Zone is protected with paint.

11.2 DESIGN DATA

Zones for Corrosion Protection:

1. Submerged Zone - El. (-) 4.0 feet to El. (-) 93.0 ft.
2. Splash Zone - El. (+) 11.0 feet to El. (-) 4.0 feet.
3. Atmospheric Zone- El. (+) 75.0 feet to El. (+) 11.0 feet.

Current Requirements:

Current Density = 6 MA/ft^2 of surface in water

2 MA/ft^2 of surface in mud

Design Life:

N = 20 years

1.03

CREST OFFSHORE, INC.

Sheet 1 of 1

By L. Kirk Client U.S. Navy Subject Design of 93' MLW Structure

Date 7-4-76 Job No. 27-771-95 Calculation Surface Area Calculation

Location	Description	Qty.	Surface Area (FT^2)	(FT^2) Total Surface Area
-4'-0" To -13'-0"	47"φ x 12'-6" JL	3	153.8	461.4
" " "	20"φ x 15'-4" DB	3	80.3	240.9
-13'-0" (Plan)	12 3/4"φ x 37'-6" HB	3	125.3	375.8
" " "	10 3/4"φ x 18'-9" HB	3	52.7	158.1
-13'-0" To -39'-0"	46"φ x 18'-2" JL	3	218.7	656.1
" " "	47"φ x 7'-0" JL	3	86.1	258.3
" " "	20"φ x 48'-4" DB	3	253.2	759.6
-39'-0" (Plan)	12 3/4"φ x 45'-1" HB	3	150.5	451.5
" " "	10 3/4"φ x 22'-6" HB	3	63.2	189.6
-39'-0" To -66'-0"	46"φ x 20'-10" JL	3	250.8	752.4
" " "	47"φ x 7'-0" JL	3	86.1	258.3
" " "	20"φ x 56'-0" DB	3	293.4	880.2
-66'-0" (Plan)	14"φ x 52'-10" HB	3	193.9	581.6
" " "	10 3/4"φ x 26'-5" HB	3	74.2	222.6
-66'-0" To -93'-0"	46"φ x 21'-6" JL	3	258.9	776.7
" " "	47"φ x 6'-0" JL	3	73.8	221.4
" " "	16"φ x 38'-0" DB	6	159.6	957.6
-93'-0" (Plan)	20"φ x 27'-3" HB	6	142.7	856.2
" " "	24"φ x 6'-0" HB	3	37.6	112.8
" " "	14"φ x 30'-3" HB	3	111.0	333.0
				9504.1
Piling	42"φ x 2.00WT x 270'-0"	3	2968.8	+8906.4
				18410.5

270'

By ADR Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTU...
Date 9-3-76 Job No. 22-771-95 Calculation CORROSION PROTECTION

Total Current Requirements

$I = 6 \frac{mA}{ft^2} \times 9504\ ft^2 + 2 \frac{mA}{ft^2} \times 8900\ ft^2$

$I = 74.8$ Amps

Capacity of Alloy

Use Alluminum - Zinc - Mercury Alloy

$C = 1250 \frac{amp\text{-}hrs}{lbs}$

Total Weight of Sacrificial Anodes

$$Wt = \frac{I \times N \times 8760}{C}$$

$$Wt = \frac{74.8 \times 20 \times 8760}{1250}$$

$Wt = 10484$ lbs.

Using 725# Anode

$$n = \frac{10484}{725} = 14.46$$

USE 15 @ 725#/Anode

11.4 SPLASH ZONE

The Splash Zone is protected by first using one half inch thick extra material in excess of that needed for strength, and then by applying paint to the structural members in the zone.

11.5 ATMOSPHERIC ZONE

The Atmospheric Zone is protected by paint. The surface area of the structure requiring paint is 8,500 square feet. The surface area calculations can be found in Report No. 37-771-98, Section 2.7, Paint Area.

SECTION 12.0

MATERIAL LIST AND WEIGHT

12.0 INTRODUCTION

This section includes a material listing and total weight of each major component of the structure including the superstructure, jacket, boat landing, boat fenders, and piling. The material listing in this section is a summary and includes only the total length and weight of each particular shape for each of the major components. A more detailed listing is found in the computer output in Appendix B.9.

CREST OFFSHORE, INC.

12.02

Sheet ___ of ____

By [illegible] Client U.S. NAVY Subject DESIGN OF 93' MW [illegible]

Date 9-3-76 Job No. 27-771-95 Calculation MATERIAL LISTING & WEIGHT

12.2 Material Listing for Weight - Superstructure

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.43
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

12.02

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 23.00	136.69	3417.33
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71
1.000 THICKNESS	109.30	4463.16
0.750 THICKNESS	34.18	1046.67
0.500 THICKNESS	76.06	1569.18
0.375 THICKNESS	82.34	1260.83
0.250 THICKNESS	1186.36 (1025FT²)*	13199.09 (11552.7#)*
0.125 THICKNESS	15.51	79.17

* 1/4" Checkered Floor Plate

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

================================

TOTAL WEIGHT 132752.69 LBS

12.04

CREST OFFSHORE, INC.

Sheet ___ of ___

By [illegible] Client U.S. Navy Subject [illegible]
Date 9-3-76 Job No. [illegible] Calculation [illegible]

12.3 Material Listing and Weight - Jacket

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. X 1.750 WT	22.50	19467.71
47.500 O.D. X 1.500 WT	114.15	84199.13
47.000 O.D. X 1.250 WT	18.00	11004.15
45.500 O.D. X 0.500 WT	183.99	44254.69
24.000 O.D. X 0.875 WT	21.00	4542.47
20.000 O.D. X 1.125 WT	114.45	25979.93
20.000 O.D. X 0.750 WT	26.50	4090.28
20.000 O.D. X 0.625 WT	449.10	58136.29
16.000 O.D. X 0.750 WT	52.75	6449.16
16.000 O.D. X 0.625 WT	293.61	30161.21
14.000 O.D. X 0.500 WT	147.96	10676.54
14.000 O.D. X 0.375 WT	85.50	4669.99
12.750 O.D. X 0.375 WT	225.36	11179.85
10.750 O.D. X 0.365 WT	240.00	9724.97
8.625 O.D. X 0.500 WT	18.42	799.96
6.625 O.D. X 0.280 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	24.75	187.68
2.875 O.D. X 0.375 WT	6.00	60.13
2.375 O.D. X 0.154 WT	310.50	1135.31

12.06

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT HLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE		
4.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.34	3743.30
1.500 THICKNESS	17.69	1083.43
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.79
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	318.12	8118.67
0.500 THICKNESS	64.50	1316.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER SQ FT	196.23	1444.63

==================================

TOTAL WEIGHT 354497.75 LBS

1207

12.4 Material Listing and Weight - Boat Loading

12.09

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHM PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12,750 O,D, X 0,343 WT	47,83	5132,74
10,750 O,D, X 0,500 WT	2,67	146,06
8,625 O,D, X 0,500 WT	137,91	5989,45
6,625 O,D, X 0,432 WT	272,53	7794,44
4,500 O,D, X 0,337 WT	71,50	1072,31
2,375 O,D, X 0,218 WT	3,33	16,74
1,900 O,D, X 0,281 WT	65,00	316,12
1,900 O,D, X 0,145 WT	75,00	204,03
CHANNELS		
C 12 X 20,70	2,50	51,75
C 6 X 8,20	16,00	131,20
ANGLE		
2,000 X 2,000 X 0,250	3,00	9,57
1,000 X 1,000 X 0,125	3,00	2,39

BILL OF MATERIALS SUMMARY

U.S.NAVY ACHR PLATFORMS [illegible] BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

0.750 THICKNESS	64.94	1988.94
0.500 THICKNESS	9.72	198.45

GRATING

7.350 LBS PER SQ FT	116.17	855.04

****

TOTAL WEIGHT 23909.20 LBS

CREST OFFSHORE, INC.

Sheet 12.11 of

By RCP Client U.S. NAVY Subject DESIGN OF 33' MINI-SPUD
Date 9-3-76 Job No. 22-221-95 Calculation MATERIAL LISTING & WEIGHT

12.5 Material Listing and Weight - Boat Fenders

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18.000 O.D. x 0.750 WT	46.73	6465.68
16.000 O.D. x 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72

TOTAL WEIGHT 13425.55 LBS

CREST OFFSHORE, INC.

Sheet ___ of ___ 12.13

By ACCR. Client U.S. NAVY Subject DESIGN OF 93' MLW STRUCTURE
Date 9-3-76 Job No. 22-771-95 Calculation MATERIAL LISTING & WEIGHT

12.6 Material Listing and Weight - Piling

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 2.500 WT	6.00	6333.89
42.000 O.D. X 2.375 WT	237.00	238431.56
42.000 O.D. X 2.000 WT	930.00	795345.38
39.750 O.D. X 0.625 WT	48.00	12547.94
37.000 O.D. X 0.625 WT	48.00	11665.60

TOTAL WEIGHT 1064323.00 LBS

12.14

APPENDIX A.1

ENVIRONMENTAL DATA

A. H. GLENN AND ASSOCIATES

TABLE 18: 50 YEAR STORM WIND, TIDE, AND WAVE CHARACTERISTICS: 36°13'36.3"N, 75°14'59.6"W: SPECIFIED 93 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Chart Depth	93.0 Ft.
Highest Astronomical Tide	4.5 Ft.
Storm Tide	3.6 Ft.
Total Tide	8.1 Ft.
Still Water Depth	101.1 Ft.
Height of Maximum Wave	60.8 Ft.
Period of Maximum Wave	13.6 Sec.
Crest Elevation Of Maximum Wave Above Still Water Level	43.6 Ft.
Crest Elevation of Maximum Wave Above Chart Datum	51.7 Ft.
Crest Elevation of Maximum Wave Above Bottom	144.7 Ft.
Length of Maximum Wave	783.5 Ft.
1 Hour Wind	114 Mph
0.5 Hour Wind	120 Mph
1 Minute Wind	145 Mph
Maximum Instantaneous Gust	174 Mph

TABLE 19: 50 YEAR COMBINED WIND DRIFT, DENSITY, AND TIDAL CURRENT VERSUS PERCENT OF DEPTH: 36°13'30.3"N, 75°14'59.6"W: SPECIFIED 93 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Percent Of Depth	Current Speed (Ft/Sec)
0%	4.5
10%	4.2
20%	3.8
30%	3.5
40%	3.2
50%	2.9
60%	2.6
70%	2.2
80%	1.9
90%	1.6
100%	0.8

APPENDIX A.2

WAVE PROFILES

FIELD VARIABLES FOR WAVE: CREST: 93 FT. DEPTH

WAVE PARAMETERS:
HEIGHT = 60.80 FT., PERIOD = 13.60 SECS., LENGTH = 829.12 FT.
WATER DEPTH = 101.10 FT.

PILE DIAMETER: 3.00 FT., BOTTOM CURRENT = 1.30 FT./SEC., SURFACE CURRENT = 4.50 FT./SEC.

INCLUDES MODIFICATIONS FOR FREE SURFACE EFFECTS

ALL PRESSURES IN PSF

A.08

WAVE: CREST: 93 FT. DEPTH

**** X = (FT.)	-380.00	-360.00	-340.00	-320.00	-300.00	-280.00	-260.00	-240.00	-220.00
SURFACE = ELEVATION (FT.)	86.34	86.52	86.79	87.17	87.68	88.35	89.22	90.32	91.73
SURFACE									
HOR. DRAG PRESS.	-12.27	-11.70	-10.91	-9.79	-8.27	-6.83	-4.83	-2.40	-0.67
HOR. INER PRESS.	-1.59	-2.20	-3.18	-4.77	-6.59	-8.37	-10.51	-13.69	-18.01
VER. DRAG PRESS.	-0.17	-0.43	-0.90	-1.72	-3.02	-5.01	-8.05	-12.75	-19.76
VER. INER PRESS.	5.33	5.96	7.26	8.76	10.22	12.04	14.70	17.96	21.15
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.40	-0.67
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.69	-18.01
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-12.75	-19.76
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.96	21.15
ELEV = 90.00									
HOR. DRAG PRESS.	-12.27	-11.70	-10.91	-9.79	-8.27	-6.83	-4.83	-2.39	-0.62
HOR. INER PRESS.	-1.59	-2.20	-3.18	-4.77	-6.59	-8.37	-10.51	-13.74	-18.22
VER. DRAG PRESS.	-0.17	-0.43	-0.90	-1.72	-3.02	-5.01	-8.05	-12.67	-19.13
VER. INER PRESS.	5.33	5.96	7.26	8.76	10.22	12.04	14.70	17.89	20.65
ELEV = 80.00									
HOR. DRAG PRESS.	-13.02	-12.40	-11.51	-10.26	-8.60	-6.60	-4.39	-2.18	-0.45
HOR. INER PRESS.	-1.69	-2.51	-3.64	-5.26	-7.15	-9.21	-11.72	-15.09	-19.31
VER. DRAG PRESS.	-0.15	-0.39	-0.81	-1.51	-2.63	-4.30	-6.81	-10.47	-15.58
VER. INER PRESS.	5.12	5.71	6.81	8.12	9.48	11.14	13.30	15.73	17.91
ELEV = 70.00									
HOR. DRAG PRESS.	-14.31	-13.57	-12.50	-11.04	-9.16	-6.93	-4.49	-2.12	-0.37
HOR. INER PRESS.	-1.85	-2.91	-4.21	-5.88	-7.85	-10.09	-12.79	-16.15	-20.17
VER. DRAG PRESS.	-0.12	-0.32	-0.66	-1.23	-2.11	-3.46	-5.45	-8.33	-12.26
VER. INER PRESS.	4.69	5.22	6.12	7.22	8.46	9.93	11.71	13.63	15.34
ELEV = 60.00									
HOR. DRAG PRESS.	-15.75	-14.89	-13.65	-11.98	-9.88	-7.41	-4.74	-2.19	-0.36
HOR. INER PRESS.	-2.02	-3.24	-4.68	-6.42	-8.47	-10.84	-13.64	-16.97	-20.82
VER. DRAG PRESS.	-0.09	-0.25	-0.51	-0.94	-1.62	-2.64	-4.16	-6.32	-9.23
VER. INER PRESS.	4.17	4.63	5.36	6.29	7.37	8.62	10.08	11.59	12.90
ELEV = 50.00									
HOR. DRAG PRESS.	-17.34	-16.38	-14.97	-13.10	-10.78	-8.07	-5.17	-2.40	-0.41
HOR. INER PRESS.	-2.17	-3.52	-5.06	-6.88	-9.00	-11.46	-14.31	-17.61	-21.31
VER. DRAG PRESS.	-0.07	-0.18	-0.37	-0.68	-1.16	-1.89	-2.97	-4.51	-6.56
VER. INER PRESS.	3.58	3.97	4.56	5.32	6.22	7.26	8.42	9.59	10.58
ELEV = 40.00									
HOR. DRAG PRESS.	-19.13	-18.06	-16.50	-14.43	-11.89	-8.94	-5.78	-2.77	-0.57
HOR. INER PRESS.	-2.30	-3.74	-5.37	-7.26	-9.44	-11.95	-14.84	-18.10	-21.66
VER. DRAG PRESS.	-0.04	-0.12	-0.24	-0.45	-0.76	-1.24	-1.95	-2.95	-4.47
VER. INER PRESS.	2.93	3.24	3.71	4.32	5.03	5.06	6.75	7.63	8.35
ELEV = 30.00									
HOR. DRAG PRESS.	-21.13	-19.96	-18.25	-16.00	-13.23	-10.03	-6.61	-3.42	-0.89
HOR. INER PRESS.	-2.40	-3.91	-5.60	-7.54	-9.78	-12.33	-15.23	-18.45	-21.90
VER. DRAG PRESS.	-0.03	-0.07	-0.14	-0.26	-0.44	-0.71	-1.11	-1.74	-2.81
VER. INER PRESS.	2.24	2.47	2.92	3.28	3.81	4.02	5.07	5.70	6.21
ELEV = 20.00									
HOR. DRAG PRESS.	-23.36	-22.12	-20.25	-17.02	-14.83	-11.38	-7.67	-4.23	-1.44
HOR. INER PRESS.	-2.47	-4.03	-5.77	-7.75	-10.02	-12.59	-15.50	-18.69	-22.06
VER. DRAG PRESS.	-0.21	-0.03	-0.06	-0.12	-0.20	-0.32	-0.50	-0.79	-1.35
VER. INER PRESS.	1.51	1.67	1.90	2.20	2.56	2.95	3.39	3.80	4.11
ELEV = 10.00									
HOR. DRAG PRESS.	-25.86	-24.51	-22.53	-19.93	-16.73	-13.02	-9.01	-5.18	-2.21
HOR. INER PRESS.	-2.52	-4.11	-5.87	-7.87	-10.16	-12.75	-15.65	-18.82	-22.12
VER. DRAG PRESS.	-0.00	-0.01	-0.02	-0.03	-0.05	-0.08	-0.12	-0.19	-0.36
VER. INER PRESS.	0.76	0.88	0.96	1.11	1.29	[illegible]	1.70	1.90	2.05
ELEV = 0.00									
HOR. DRAG PRESS.	0.00	-2.13	-1.97	-1.75	-1.49	[illegible]	-0.84	-0.59	-0.24
HOR. INER PRESS.	0.00	-4.13	-5.91	-7.92	-10.21	[illegible]	-15.71	-18.87	-22.16
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A.0?

WAVE: CREST: 93 FT. DEPTH

X = (FT.)	-200.00	-180.00	-160.00	-140.00	-120.00	-100.00	-80.00	-60.00	-40.00
SURFACE ELEVATION (FT.)	93.50	95.72	98.48	101.88	106.09	111.10	117.14	124.27	132.55
SURFACE									
HOR. DRAG PRESS.	0.02	1.78	8.05	23.26	51.36	40.50	215.36	155.46	168.01
HOR. INER PRESS.	-23.03	-28.62	-35.42	-43.97	-53.64	-62.03	-70.70	-77.91	-82.34
VER. DRAG PRESS.	-29.71	-43.27	-61.39	-84.57	-111.63	-139.77	-162.96	-171.74	-150.91
VER. INER PRESS.	23.91	26.47	28.72	29.49	27.09	20.02	11.37	-1.37	-20.99
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.01
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-82.34
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-150.91
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-20.99
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.46	453.49
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-77.91	-78.14
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-171.74	-136.11
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.37	-23.40
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	40.50	215.36	425.35	639.45
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	-62.03	-70.70	-73.18	-63.86
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	-139.77	-162.96	-148.29	-91.68
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	20.02	11.37	-5.01	-29.04
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	23.26	51.36	104.93	188.94	303.28	432.21
HOR. INER PRESS.	0.00	0.00	0.00	-43.97	-53.64	-62.17	-65.09	-63.01	-52.61
VER. DRAG PRESS.	0.00	0.00	0.00	-84.57	-111.63	-135.43	-130.55	-105.12	-62.52
VER. INER PRESS.	0.00	0.00	0.00	29.49	27.09	20.02	6.39	-10.76	-30.63
ELEV = 100.00									
HOR. DRAG PRESS.	0.02	1.78	8.05	22.90	52.15	100.60	171.98	262.65	359.84
HOR. INER PRESS.	-23.03	-28.62	-35.42	-43.67	-51.35	-56.44	-57.80	-54.27	-43.75
VER. DRAG PRESS.	-29.71	-43.27	-61.39	-80.80	-95.10	-101.04	-95.07	-74.40	-42.94
VER. INER PRESS.	23.91	26.47	28.72	28.25	22.94	13.72	1.33	-13.71	-29.93
ELEV = 90.00									
HOR. DRAG PRESS.	0.04	2.16	9.25	24.63	52.34	95.71	156.16	230.41	306.66
HOR. INER PRESS.	-23.35	-28.97	-35.30	-41.99	-47.80	-51.27	-51.32	-46.91	-36.78
VER. DRAG PRESS.	-27.69	-38.28	-50.45	-62.72	-72.12	-74.91	-68.58	-52.41	-29.54
VER. INER PRESS.	22.74	24.16	24.44	22.46	17.32	9.00	-1.96	-14.02	-27.96
ELEV = 80.00									
HOR. DRAG PRESS.	0.13	2.70	10.22	25.45	51.40	90.21	141.58	202.71	263.49
HOR. INER PRESS.	-24.11	-29.31	-34.83	-40.23	-44.56	-46.70	-45.73	-40.82	-31.27
VER. DRAG PRESS.	-22.23	-30.25	-39.12	-47.66	-53.69	-54.70	-48.88	-36.58	-20.23
VER. INER PRESS.	19.53	20.40	20.07	17.78	12.95	5.57	-3.92	-14.71	-25.30
ELEV = 70.00									
HOR. DRAG PRESS.	0.21	3.04	10.73	25.51	49.64	84.38	128.83	179.11	228.40
HOR. INER PRESS.	-24.65	-29.39	-34.17	-38.52	-41.66	-42.73	-40.99	-35.84	-26.93
VER. DRAG PRESS.	-17.26	-23.16	-29.46	-35.24	-39.00	-39.06	-34.32	-25.11	-13.69
VER. INER PRESS.	16.54	17.00	16.32	13.97	9.58	3.15	-4.90	-13.82	-22.30
ELEV = 60.00									
HOR. DRAG PRESS.	0.24	3.17	10.80	24.94	47.30	78.49	117.28	159.79	199.85
HOR. INER PRESS.	-25.01	-29.31	-33.43	-36.92	-39.12	-39.36	-37.05	-31.81	-23.52
VER. DRAG PRESS.	-12.86	-17.03	-21.35	-25.12	-27.38	-27.02	-23.40	-16.87	-9.05
VER. INER PRESS.	13.77	13.94	13.09	10.86	6.99	1.52	-5.18	-12.42	-19.14
ELEV = 50.00									
HOR. DRAG PRESS.	0.21	3.09	10.49	23.92	44.58	72.74	106.95	143.62	177.15
HOR. INER PRESS.	-25.23	-29.14	-32.71	-35.50	-36.96	-36.56	-33.85	-28.61	-20.86
VER. DRAG PRESS.	-9.07	-11.86	-14.67	-17.03	-18.30	-17.84	-15.27	-10.88	-5.77
VER. INER PRESS.	11.18	11.17	10.30	8.30	5.01	0.49	-4.93	-10.69	-15.93
ELEV = 40.00									
HOR. DRAG PRESS.	0.15	2.82	9.87	22.52	41.64	67.25	97.81	130.01	159.00
HOR. INER PRESS.	-25.35	-28.93	-32.05	-34.30	-35.19	-34.31	-31.32	-26.12	-18.83
VER. DRAG PRESS.	-5.91	-7.64	-9.33	-10.70	-11.37	-10.96	-9.29	-6.56	-3.45
VER. INER PRESS.	8.75	8.65	7.85	6.16	3.50	-0.08	-4.32	-8.75	-12.72
ELEV = 30.00									
HOR. DRAG PRESS.	0.07	2.42	9.00	20.85	38.60	62.11	89.01	118.65	144.31
HOR. INER PRESS.	-25.42	-28.73	-31.50	-33.34	-33.81	-32.58	-29.41	-24.27	-17.34
VER. DRAG PRESS.	-3.81	-4.35	-5.24	-5.95	-6.25	-5.98	-5.03	-3.53	-1.85
VER. INER PRESS.	6.46	6.33	5.67	4.36	2.34	-0.33	-3.45	-6.67	-9.53
ELEV = 20.00									
HOR. DRAG PRESS.	0.01	2.09	7.94	18.98	35.54	57.34	82.89	109.27	132.58
HOR. INER PRESS.	-25.45	-28.57	-31.09	-32.64	-32.83	-31.36	-28.07	-22.98	-16.31
VER. DRAG PRESS.	-2.02	-2.15	-2.34	-2.63	-2.74	-2.62	-2.18	-1.52	-0.79
VER. INER PRESS.	4.26	4.15	3.68	2.78	1.43	-0.35	-2.40	-4.51	-6.36
ELEV = 10.00									
HOR. DRAG PRESS.	-0.04	1.75	6.74	16.97	32.50	52.97	76.95	101.66	123.42
HOR. INER PRESS.	-25.46	-28.46	-30.84	-32.21	-32.23	-30.63	-27.28	-22.22	-15.71
VER. DRAG PRESS.	-0.50	-0.65	-0.52	-0.66	-0.68	-0.64	-0.54	-0.37	-0.19
VER. INER PRESS.	2.12	2.06	1.81	1.36	0.67	-0.21	-1.23	-2.28	-3.19
ELEV = 0.00									
HOR. DRAG PRESS.	-0.02	0.08	0.83	1.17	2.31	3.03	5.64	7.50	9.14
HOR. INER PRESS.	-25.46	-28.42	-30.75	-32.07	-32.04	-30.39	-27.01	-21.97	-15.51
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

**** X = (FT.)	-20.00	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00
SURFACE = ELEVATION (FT.)	141.55	147.02	141.55	132.55	124.27	117.14	111.10	106.04	101.88
SURFACE									
HOR. DRAG PRESS.	239.57	826.34	239.57	168.01	155.46	215.36	40.50	51.36	23.26
HOR. INER PRESS.	-67.09	0.00	67.09	82.34	77.91	70.70	62.83	53.64	43.97
VER. DRAG PRESS.	-76.41	0.00	76.41	150.91	171.74	162.96	139.77	111.63	84.57
VER. INER PRESS.	-49.73	-67.90	-49.73	-20.99	-1.37	11.37	20.82	27.09	29.49
ELEV = 140.00									
HOR. DRAG PRESS.	490.16	714.31	490.16	168.01	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-64.30	0.00	64.30	82.34	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-70.81	0.00	70.81	150.91	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	-50.89	-70.07	-50.89	-20.99	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	775.06	975.10	775.06	453.49	155.46	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-49.40	0.00	49.40	78.14	77.91	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-44.37	0.00	44.37	136.11	171.74	0.00	0.00	0.00	0.00
VER. INER PRESS.	-53.77	-67.35	-53.77	-23.40	-1.37	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	803.78	845.19	803.78	639.45	425.35	215.36	40.50	0.00	0.00
HOR. INER PRESS.	-38.63	0.00	38.63	63.86	73.18	70.70	62.83	0.00	0.00
VER. DRAG PRESS.	-28.69	0.00	28.69	91.68	148.29	162.96	139.77	0.00	0.00
VER. INER PRESS.	-51.97	-61.72	-51.97	-29.04	-5.01	11.37	20.82	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	536.10	575.90	536.10	432.21	303.28	188.94	104.93	51.36	23.26
HOR. INER PRESS.	-30.75	0.00	30.75	52.61	63.01	65.09	62.17	53.64	43.97
VER. DRAG PRESS.	-18.97	0.00	18.97	62.52	105.12	130.55	135.43	111.63	84.57
VER. INER PRESS.	-48.07	-55.18	-48.07	-30.63	-10.76	6.39	20.02	27.09	29.49
ELEV = 100.00									
HOR. DRAG PRESS.	438.39	469.08	438.39	[illegible]	262.65	171.98	100.60	52.15	22.90
HOR. INER PRESS.	-24.90	0.00	24.90	43.75	54.27	57.00	56.44	51.35	43.67
VER. DRAG PRESS.	-12.73	0.00	12.73	42.94	74.40	95.07	101.04	95.10	80.80
VER. INER PRESS.	-43.30	-48.59	-43.30	-29.93	-13.71	1.33	13.72	22.94	28.25
ELEV = 90.00									
HOR. DRAG PRESS.	366.05	388.77	366.05	306.66	230.41	156.16	95.71	52.34	24.63
HOR. INER PRESS.	-20.49	0.00	20.49	36.78	46.91	51.32	51.27	47.80	41.99
VER. DRAG PRESS.	-8.60	0.00	8.60	29.54	52.41	68.58	78.91	72.12	62.72
VER. INER PRESS.	-38.29	-42.27	-38.29	-27.96	-14.82	-1.96	9.00	17.32	22.46
ELEV = 80.00									
HOR. DRAG PRESS.	309.46	326.76	309.46	263.49	202.71	141.58	90.21	51.40	25.85
HOR. INER PRESS.	-17.13	0.00	17.13	31.27	40.82	45.73	46.70	46.56	40.23
VER. DRAG PRESS.	-5.81	0.00	5.81	20.23	36.58	48.88	54.70	53.69	47.66
VER. INER PRESS.	-33.33	-36.36	-33.33	-25.30	-14.71	-3.92	5.57	12.95	17.78
ELEV = 70.00									
HOR. DRAG PRESS.	264.82	278.34	264.82	228.40	179.11	128.83	84.38	49.64	25.51
HOR. INER PRESS.	-14.54	0.00	14.54	26.93	35.84	40.99	42.73	41.66	38.52
VER. DRAG PRESS.	-3.89	0.00	3.89	13.69	25.11	34.32	39.06	39.00	35.24
VER. INER PRESS.	-28.55	-30.87	-28.55	-22.30	-13.82	-4.90	3.15	9.58	13.97
ELEV = 60.00									
HOR. DRAG PRESS.	229.38	240.23	229.38	199.85	159.79	117.28	78.49	47.30	24.98
HOR. INER PRESS.	-12.56	0.00	12.56	23.52	31.81	37.05	39.36	39.12	36.92
VER. DRAG PRESS.	-2.55	0.00	2.55	9.05	16.87	23.40	27.02	27.38	25.12
VER. INER PRESS.	-23.99	-25.77	-23.99	-19.14	-12.42	-5.18	1.52	6.99	10.86
ELEV = 50.00									
HOR. DRAG PRESS.	201.18	210.11	201.18	177.15	143.62	106.95	72.74	44.58	23.92
HOR. INER PRESS.	-11.03	0.00	11.03	20.86	29.41	33.05	36.56	36.96	35.50
VER. DRAG PRESS.	-1.61	0.00	1.61	5.77	10.88	15.27	17.84	18.30	17.03
VER. INER PRESS.	-19.65	-21.01	-19.65	-15.93	-10.69	-4.93	0.49	5.01	8.30
ELEV = 40.00									
HOR. DRAG PRESS.	179.35	186.69	179.35	159.00	130.01	97.81	67.25	41.64	22.52
HOR. INER PRESS.	-9.88	0.00	9.88	18.83	26.12	31.32	34.31	35.19	34.38
VER. DRAG PRESS.	-0.96	0.00	0.96	3.45	6.56	[illegible]	10.96	11.37	10.70
VER. INER PRESS.	-15.51	-16.51	-15.51	-12.72	-8.75	[illegible]	-0.08	3.50	6.16
ELEV = 30.00									
HOR. DRAG PRESS.	162.17	168.59	162.17	144.31	119.65	89.81	62.11	38.60	20.85
HOR. INER PRESS.	-9.04	0.00	9.04	17.34	24.27	29.41	32.58	33.81	33.34
VER. DRAG PRESS.	-0.51	0.00	0.51	1.85	3.53	5.03	5.98	6.25	5.95
VER. INER PRESS.	-11.52	-12.23	-11.52	-9.53	-6.67	-3.45	-0.33	2.34	4.36
ELEV = 20.00									
HOR. DRAG PRESS.	148.72	154.50	148.72	132.58	109.27	82.89	57.34	35.54	18.96
HOR. INER PRESS.	-8.47	0.00	8.47	16.31	22.28	28.07	31.36	32.83	32.64
VER. DRAG PRESS.	-0.22	0.00	0.22	0.79	1.52	2.18	2.60	2.74	2.63
VER. INER PRESS.	-7.64	-8.10	-7.64	-6.36	-4.51	-2.40	-0.35	1.43	2.78
ELEV = 10.00									
HOR. DRAG PRESS.	138.45	143.82	138.45	123.42	101.66	76.95	52.97	32.50	16.97
HOR. INER PRESS.	-8.14	0.00	8.14	15.71	22.22	27.28	30.63	32.23	32.21
VER. DRAG PRESS.	-0.05	0.00	0.05	0.17	0.37	0.54	0.64	0.68	0.66
VER. INER PRESS.	-3.82	-4.04	-3.82	-3.19	-2.28	-1.23	-0.21	0.67	1.16
ELEV = 0.00									
HOR. DRAG PRESS.	10.27	10.68	10.27	9.14	7.50	5.64	3.84	2.31	1.17
HOR. INER PRESS.	-8.03	0.00	8.03	15.51	21.97	27.01	30.37	32.04	32.07
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

X = (FT.)	160.00	180.00	200.00	220.00	240.00	260.00	280.00	300.00	320.00
SURFACE = ELEVATION (FT.)	98.48	95.72	93.50	91.73	90.32	89.22	88.35	87.68	87.17
SURFACE									
HOR. DRAG PRESS.	8.05	1.78	0.02	-0.67	-2.40	-4.43	-6.43	-8.27	-9.79
HOR. INER PRESS.	35.42	28.62	23.03	18.01	13.69	10.51	8.37	6.59	4.77
VER. DRAG PRESS.	61.39	43.27	29.71	19.76	12.75	8.05	5.01	3.02	1.72
VER. INER PRESS.	28.72	26.47	23.91	21.15	17.96	14.70	12.04	10.22	8.76
ELEV = 140.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	8.05	1.78	0.02	-0.67	-2.40	0.00	0.00	0.00	0.00
HOR. INER PRESS.	35.42	28.62	23.03	18.01	13.69	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	61.39	43.27	29.71	19.76	12.75	0.00	0.00	0.00	0.00
VER. INER PRESS.	28.72	26.47	23.91	21.15	17.96	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	9.25	2.16	0.04	-0.62	-2.39	-4.43	-6.43	-8.27	-9.79
HOR. INER PRESS.	35.30	28.97	23.35	18.22	13.74	10.51	8.37	6.59	4.77
VER. DRAG PRESS.	50.45	38.25	27.69	19.13	12.67	8.05	5.01	3.02	1.72
VER. INER PRESS.	24.44	24.16	22.74	20.65	17.89	14.70	12.04	10.22	8.76
ELEV = 80.00									
HOR. DRAG PRESS.	10.22	2.70	0.13	-0.45	-2.18	-4.39	-6.60	-8.60	-10.26
HOR. INER PRESS.	34.83	29.31	24.11	19.31	15.09	11.72	9.21	7.15	5.26
VER. DRAG PRESS.	39.12	30.25	22.23	15.58	10.47	6.81	4.30	2.63	1.51
VER. INER PRESS.	20.07	20.40	19.53	17.91	15.73	13.30	11.14	9.48	8.12
ELEV = 70.00									
HOR. DRAG PRESS.	10.73	3.04	0.21	-0.37	-2.12	-4.49	-6.93	-9.16	-11.04
HOR. INER PRESS.	34.17	29.39	24.65	20.17	16.15	12.79	10.09	7.85	5.88
VER. DRAG PRESS.	29.46	23.16	17.26	12.26	8.33	5.45	3.46	2.11	1.23
VER. INER PRESS.	16.32	17.00	16.54	15.34	13.63	11.71	9.93	8.46	7.22
ELEV = 60.00									
HOR. DRAG PRESS.	10.80	3.17	0.24	-0.36	-2.19	-4.74	-7.41	-9.88	-11.98
HOR. INER PRESS.	33.43	29.31	25.01	20.82	16.97	13.64	10.84	8.47	6.42
VER. DRAG PRESS.	21.35	17.03	12.86	9.23	6.32	4.16	2.64	1.62	0.94
VER. INER PRESS.	13.09	13.94	13.77	12.90	11.59	10.08	8.62	7.37	6.29
ELEV = 50.00									
HOR. DRAG PRESS.	10.49	3.09	0.21	-0.41	-2.40	-5.17	-8.07	-10.78	-13.10
HOR. INER PRESS.	32.71	29.14	25.23	21.31	17.61	14.31	11.46	9.00	6.88
VER. DRAG PRESS.	14.67	11.86	9.07	6.56	4.51	2.97	1.89	1.16	0.68
VER. INER PRESS.	10.30	11.17	11.18	10.58	9.59	8.42	7.26	6.22	5.32
ELEV = 40.00									
HOR. DRAG PRESS.	9.87	2.82	0.15	-0.57	-2.77	-5.78	-8.94	-11.89	-14.43
HOR. INER PRESS.	32.05	28.93	25.35	21.66	18.10	14.84	11.95	9.44	7.26
VER. DRAG PRESS.	9.33	7.64	5.91	4.47	2.95	1.95	1.24	0.76	0.45
VER. INER PRESS.	7.85	8.65	8.75	8.35	7.63	6.75	5.86	5.03	4.32
ELEV = 30.00									
HOR. DRAG PRESS.	9.03	2.42	0.07	-0.89	-3.42	-6.61	-10.03	-13.23	-16.00
HOR. INER PRESS.	31.50	28.73	25.42	21.92	18.45	15.23	12.33	9.78	7.54
VER. DRAG PRESS.	5.24	4.35	3.81	2.81	1.74	1.11	0.71	0.44	0.26
VER. INER PRESS.	5.67	6.33	6.46	6.21	5.70	5.07	4.42	3.81	3.28
ELEV = 20.00									
HOR. DRAG PRESS.	7.94	2.09	0.01	-1.44	-4.23	-7.47	-11.38	-14.83	-17.82
HOR. INER PRESS.	31.09	28.57	25.45	22.06	18.69	15.50	12.59	10.02	7.75
VER. DRAG PRESS.	2.38	2.15	2.02	1.30	0.72	0.50	0.32	0.20	0.12
VER. INER PRESS.	3.48	4.15	4.26	4.11	3.80	3.39	2.96	2.54	2.20
ELEV = 10.00									
HOR. DRAG PRESS.	6.78	1.75	-0.08	-2.21	-5.16	-9.01	-13.02	-16.73	-19.93
HOR. INER PRESS.	30.84	28.46	25.46	22.13	18.82	15.65	12.75	10.16	7.87
VER. DRAG PRESS.	0.59	0.65	0.50	0.36	0.17	0.12	0.08	0.05	0.03
VER. INER PRESS.	1.81	2.06	2.12	2.05	1.90	1.75	1.49	1.29	1.11
ELEV = 0.00									
HOR. DRAG PRESS.	0.33	0.08	-0.02	-0.24	-0.53	[illegible]	-1.18	-1.49	-1.75
HOR. INER PRESS.	30.75	28.42	25.46	22.19	18.87	15.71	12.80	10.21	7.92
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST: 93 FT. DEPTH

	X = 340.00	X = 360.00	X = 380.00	X = 400.00
SURFACE =	86.79	86.52	86.34	86.24
SURFACE				
HOR. DRAG PRESS.	-10.91	-11.70	-12.27	-12.64
HOR. INER PRESS.	3.18	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	5.96	5.33	5.29
ELEV = 140.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 130.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 120.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 110.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 100.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 90.00				
HOR. DRAG PRESS.	-10.91	-11.70	-12.27	-12.64
HOR. INER PRESS.	3.18	2.20	1.59	0.79
VER. DRAG PRESS.	0.90	0.43	0.17	0.03
VER. INER PRESS.	7.26	5.96	5.33	5.29
ELEV = 80.00				
HOR. DRAG PRESS.	-11.51	-12.40	-13.02	-13.40
HOR. INER PRESS.	3.64	2.51	1.69	0.78
VER. DRAG PRESS.	0.81	0.39	0.15	0.03
VER. INER PRESS.	6.81	5.71	5.12	5.00
ELEV = 70.00				
HOR. DRAG PRESS.	-12.50	-13.57	-14.31	-14.74
HOR. INER PRESS.	4.21	2.91	1.85	0.81
VER. DRAG PRESS.	0.66	0.32	0.12	0.02
VER. INER PRESS.	6.12	5.22	4.69	4.50
ELEV = 60.00				
HOR. DRAG PRESS.	-13.65	-14.89	-15.75	-16.22
HOR. INER PRESS.	4.68	3.24	2.02	0.85
VER. DRAG PRESS.	0.51	0.25	0.09	0.02
VER. INER PRESS.	5.36	4.63	4.17	3.97
ELEV = 50.00				
HOR. DRAG PRESS.	-14.97	-16.38	-17.34	-17.87
HOR. INER PRESS.	5.06	3.52	2.17	0.91
VER. DRAG PRESS.	0.37	0.18	0.07	0.01
VER. INER PRESS.	4.56	3.97	3.58	3.39
ELEV = 40.00				
HOR. DRAG PRESS.	-16.50	-18.06	-19.13	-19.71
HOR. INER PRESS.	5.37	3.74	2.30	0.95
VER. DRAG PRESS.	0.24	0.12	0.04	0.01
VER. INER PRESS.	3.71	3.24	2.93	2.77
ELEV = 30.00				
HOR. DRAG PRESS.	-18.25	-19.96	-21.13	-21.77
HOR. INER PRESS.	5.60	3.91	2.40	0.99
VER. DRAG PRESS.	0.14	0.07	0.03	0.00
VER. INER PRESS.	2.82	2.47	2.24	2.11
ELEV = 20.00				
HOR. DRAG PRESS.	-20.25	-22.10	-23.16	-24.06
HOR. INER PRESS.	5.77	4.03	2.47	1.02
VER. DRAG PRESS.	0.06	0.03	0.01	0.00
VER. INER PRESS.	1.90	1.67	1.51	1.43
ELEV = 10.00				
HOR. DRAG PRESS.	-22.53	-24.51	-25.86	-26.60
HOR. INER PRESS.	5.87	4.11	2.52	1.04
VER. DRAG PRESS.	0.02	0.01	0.00	0.00
VER. INER PRESS.	0.96	0.88	0.76	0.72
ELEV = 0.00				
HOR. DRAG PRESS.	-1.97	-2.13	-2.25	-2.31
HOR. INER PRESS.	5.91	4.13	2.53	1.05
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00

APPENDIX B.1

SEALOAD - 50 Year Storm - Crest

```
                ******************************************************
                *                                                    *
                *                     SEALOAD-2                      *                                          PAGE    1
                *                                                    *
                *     DEVELOPED BY SYNERCOM TECHNOLOGY, INC.         *
                *              HOUSTON, TEXAS                        *
                *            RELEASE 2  MOD 13                       *
                *               AUG 1976                             *
                *                                                    *
                ******************************************************

                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

      1  COEF     1000  1000           1000
      2          16000  1000           1000
      3          20000  1000           1000
      4          20330  1000           0297
      5          21000  1000           1000
      6          22050  1000           0322
      7          24000  1000           1000
      8          24610  1000           0363
      9          26800  1000           0246
     10          27570  1000           0403
     11          30000  1000           1000
     12          30320  1000           0443
     13          40000  1000           1000
     14          45000  1000           1000
     15          47000  1000           1000
     16          47500  1000           1000
     17          65470  1000           0957
     18          66160  1000           0967
     19          67540  1000           0987
     20  END     68230  1000           0997
     21  U.S. NAVY  -  ACMR PLATFORMS  -  PLATFORM 2  -  MWL 93.0 FEET
     22                         WAVE FOR 50 YEAR STORM
     23                               G. BUCKMASTER
     24                                 JULY, 1976
     25                                 27-771-01
     26  STRAN     1 600 30 30 5011  2 900 30 30 5011 OF 11     00 5                     3 1
     27  END       32400 30 30 5011  42700 30 30 5011
     28  GRI         0   16               FULL VERT
     29  XSP.      00  200  400 7691 8091 8291
     30  YSPC    1400 1300 1200 1100 1000  900  800  700  600  500  400  300  200  100   00
     31  YSHF    1470 1416 1326 1325 1416 1470
     32  147 D 4263 2396 1680 1680 2396 4263
     33  140 D 7143 4902 1680 1680 4902 7143
     34  130 D 9751 7751 4535 4535 7751 9751
     35  120 D 8452 8038 6394 6394 8038 8452
     36  110 D 5759 5361 4322 4322 5361 5759
     37  100 D 4691 4384 3598 3598 4384 4691
     38   90   D 3888 3661 3067 3067 3661 3888
     39   80   D 3268 3095 2635 2635 3095 3268
     40   70   D 2783 2648 2284 2284 2648 2783
     41   60   D 2402 2294 1999 1999 2294 2402
     42   50   D 2101 2012 1772 1772 2012 2101
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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   43   40   0 1867 1794 1590 1590 1794 1867
   44   30   0 1686 1622 1443 1443 1622 1686
   45   20   0 1545 1487 1326 1326 1487 1545
   46   10   0 1438 1385 1234 1234 1385 1438
   47   0    0  107  103   91   91  103  107
   48   147  I   00  671  823- 823-  671   00
   49   140  I   00  643  823- 823-  643   00
   50   130  I   00  494  781- 781-  494   00
   51   120  I   00  386  639- 639-  386   00
   52   110  I   00  308  526- 526-  308   00
   53   100  I   00  249  438- 438-  249   00
   54   90   I   00  205  368- 368-  205   00
   55   80   I   00  171  313- 313-  171   00
   56   70   I   00  145  269- 269-  145   00
   57   60   I   00  126  235- 235-  126   00
   58   50   I   00  110  209- 209-  110   00
   59   40   I   00   99  188- 188-   99   00
   60   30   I   00   90  173- 173-   90   00
   61   20   I   00   85  163- 163-   85   00
   62   10   I   00   81  157- 157-   81   00
   63   0    I   00   80  155- 155-   80   00
   64   147VD    00  764 1509-1509-  764   00
   65   140VD    00  706 1509-1509-  706   00
   66   130VD    00  444 1361-1361-  444   00
   67   120VD    00  287  917- 917-  287   00
   68   110VD    00  190  625- 625-  190   00
   69   100VD    00  129  429- 429-  129   00
   70   90 VD    00   86  295- 295-   86   00
   71   80 VD    00   58  202- 202-   58   00
   72   70 VD    00   39  137- 137-   39   00
   73   60 VD    00   26   91-  91-   26   00
   74   50 VD    00   16   58-  58-   16   00
   75   40 VD    00   10   35-  35-   10   00
   76   30 VD    00   05   19-  19-   05   00
   77   20 VD    00   02   08-  08-   02   00
   78   10 VD    00   01   02-  02-   01   00
   79   0  VD    00   00   00   00    00   00
   80   147VI- 679- 497- 210- 210- 497- 679
   81   140VI- 701- 509- 210- 210- 509- 701
   82   130VI- 674- 558- 234- 234- 558- 674
   83   120VI- 617- 520- 290- 290- 520- 617
   84   110VI- 552- 481- 306- 306- 481- 552
   85   100VI- 466- 433- 299- 299- 433- 466
   86   90 VI- 423- 383- 280- 280- 383- 423
   87   80 VI- 364- 333- 253- 253- 333- 364
   88   70 VI- 309- 286- 223- 223- 286- 309
   89   60 VI- 258- 240- 191- 191- 240- 258
   90   50 VI- 210- 197- 159- 159- 197- 210
   91   40 VI- 165- 155- 127- 127- 155- 165
   92   30 VI- 122- 115-  95-  95- 115- 122
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     93  20 VI=  81-  76-  64-  64-  76-  81
     94  10 VI=  40-  38-  32-  32-  38-  40
     95  0  VI   00   00   00   00   00   00
     96  WIND  1     50 361  153  1095 145 15    ALL
     97        2    121 361  156  1095 145 15    ALL
     98  END
```

**** C O E F F I C I E N T   T A B L E   R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
1.000	.1000	-0.0000	1.0000
16.000	.1000	-0.0000	1.0000
20.000	.1000	-0.0000	1.0000
20.330	.1000	-0.0000	.2970
21.000	.1000	-0.0000	1.0000
22.050	.1000	-0.0000	.3220
24.000	.1000	-0.0000	1.0000
24.610	.1000	-0.0000	.3630
26.800	.1000	-0.0000	.2460
27.570	.1000	-0.0000	.4030
30.000	.1000	-0.0000	1.0000
30.320	.1000	-0.0000	.4430
40.000	.1000	-0.0000	1.0000
45.000	.1000	-0.0000	1.0000
47.000	.1000	-0.0000	1.0000
47.500	.1000	-0.0000	1.0000
65.470	.1000	-0.0000	.9570
56.160	.1000	-0.0000	.9670
67.540	.1000	-0.0000	.9870
66.230	.1000	-0.0000	.9970

U.S. NAVY - ACMR PLATFORMS - PLATFORM 2 - MWL 93.0 FEET

WAVE FOR 50 YEAR STORM

G. BUCKMASTER

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	599.9	1124.4	1274.5	-89506.	46094.	100678.	-51.2
2	-25.0	10.86	607.4	1150.5	1301.0	-93611.	47418.	104936.	-63.4
3	-20.0	8.68	622.9	1161.6	1318.1	-96053.	50005.	108290.	-74.3
4	-15.0	6.51	638.3	1176.3	1338.3	-99433.	52814.	112589.	-93.0
5	-10.0	4.34	639.1	1162.1	1326.2	-99253.	53832.	112911.	-100.1
6	-5.0	2.17	634.6	1140.6	1305.3	-98294.	54239.	112266.	-107.4
7	0.0	-0.00	618.5	1098.1	1260.3	-94789.	53245.	108721.	-114.0
8	5.0	-2.17	587.8	1034.4	1189.8	-88695.	50503.	102239.	-114.2
9	10.0	-4.34	545.3	955.7	1100.3	-81206.	46284.	93470.	-110.8
10	15.0	-6.51	506.1	882.0	1016.9	-74207.	42510.	85521.	-104.2
11	20.0	-8.68	464.4	803.0	927.6	-66247.	38328.	76536.	-99.1
12	25.0	-10.86	421.9	721.4	835.7	-57785.	34003.	67047.	-87.7
13	30.0	-13.03	386.6	667.7	771.5	-52868.	30577.	61073.	-85.5

```
**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER =    1                              WAVE DIRECTION = 60.000

                 X SHEAR FORCE =          639.1422 KIPS
                 Y SHEAR FORCE =         1162.0762 KIPS
         RESULTANT SHEAR FORCE =         1326.2443 KIPS

              X MUDLINE MOMENT =       -99252.6111 FT-KIPS
              Y MUDLINE MOMENT =        53831.7455 FT-KIPS
      RESULTANT MUDLINE MOMENT =       112911.1935 FT-KIPS

              Z VERTICAL FORCE =         -100.0843 KIPS
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*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 2 WAVE ANGLE = 90.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG.WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	4.6	1293.8	1293.8	-102685.	583.	102687.	-37.7
2	-25.0	10.86	10.2	1349.9	1349.9	-111141.	1346.	111149.	-52.9
3	-20.0	8.68	13.0	1349.4	1349.4	-112270.	1730.	112283.	-64.9
4	-15.0	6.51	15.9	1358.9	1359.0	-114863.	2141.	114883.	-79.0
5	-10.0	4.34	19.1	1360.3	1360.5	-117110.	2606.	117139.	-93.4
6	-5.0	2.17	11.6	1311.1	1311.2	-113140.	1537.	113151.	-96.3
7	0.0	-0.00	7.3	1248.2	1248.2	-107262.	937.	107266.	-98.3
8	5.0	-2.17	2.7	1166.2	1166.2	-99432.	287.	99433.	-97.5
9	10.0	-4.34	-1.4	1094.5	1094.5	-92889.	-287.	92890.	-97.3
10	15.0	-6.51	-3.8	968.0	968.0	-79918.	-622.	79920.	-93.7
11	20.0	-8.68	-3.4	890.4	890.4	-72922.	-553.	72924.	-75.5
12	25.0	-10.86	-1.4	800.7	800.7	-64695.	-269.	64695.	-74.4
13	30.0	-13.03	.0	730.8	730.8	-57736.	-63.	57736.	-74.1

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 2   WAVE DIRECTION = 90.000

X SHEAR FORCE =	19.1478	KIPS
Y SHEAR FORCE =	1360.3456	KIPS
RESULTANT SHEAR FORCE =	1360.4803	KIPS
X MUDLINE MOMENT =	-117110.4091	FT-KIPS
Y MUDLINE MOMENT =	2605.5641	FT-KIPS
RESULTANT MUDLINE MOMENT =	117139.3909	FT-KIPS
Z VERTICAL FORCE =	-93.3705	KIPS

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 3 — WAVE ANGLE = 240.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	15.03	-615.6	-1088.5	1250.5	85028.	-48104.	97692.	-22.5
2	-25.0	10.86	-629.4	-1107.1	1273.6	88057.	-50307.	101414.	-30.0
3	-20.0	8.68	-651.6	-1141.2	1314.1	93335.	-53825.	107743.	-39.5
4	-15.0	6.51	-652.7	-1150.8	1323.0	95818.	-54827.	110395.	-53.1
5	-10.0	4.34	-642.8	-1155.3	1322.1	97881.	-54495.	112029.	-61.3
6	-5.0	2.17	-631.3	-1154.2	1315.5	99475.	-54059.	113215.	-68.5
7	0.0	-0.00	-604.5	-1126.0	1278.0	97649.	-51676.	110480.	-74.6
8	5.0	-2.17	-565.1	-1075.3	1214.7	93233.	-47851.	104795.	-77.5
9	10.0	-4.34	-519.0	-1008.2	1133.9	86942.	-43295.	97126.	-77.3
10	15.0	-6.51	-476.6	-942.5	1056.1	80736.	-39216.	89756.	-72.8
11	20.0	-8.68	-428.3	-855.7	956.9	71679.	-34233.	79434.	-74.4
12	25.0	-10.86	-389.1	-790.5	881.1	65259.	-30382.	71985.	-68.5
13	30.0	-15.03	-361.6	-724.4	809.6	58806.	-28057.	65156.	-68.2

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER =   3   WAVE DIRECTION =240.000

X SHEAR FORCE =	-631.2693 KIPS
Y SHEAR FORCE =	-1154.1838 KIPS
RESULTANT SHEAR FORCE =	1315.5479 KIPS
X MUDLINE MOMENT =	99475.2596 FT-KIPS
Y MUDLINE MOMENT =	-54058.6662 FT-KIPS
RESULTANT MUDLINE MOMENT =	113215.1545 FT-KIPS
Z VERTICAL FORCE =	-68.4976 KIPS

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 4 — WAVE ANGLE = 270.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-30.0	13.03	4.0	-1241.0	1241.0	96041.	587.	96042.	-30.5
2	-25.0	10.86	5.6	-1261.2	1261.2	99185.	804.	99188.	-41.1
3	-20.0	8.68	7.4	-1277.9	1277.9	102357.	1036.	102363.	-53.4
4	-15.0	6.51	2.4	-1305.0	1305.0	107659.	339.	107660.	-61.0
5	-10.0	4.34	1.6	-1351.1	1351.1	115034.	194.	115034.	-74.1
6	-5.0	2.17	-.2	-1321.6	1321.6	113013.	-74.	113013.	-60.8
7	0.0	-0.00	-1.6	-1293.0	1293.0	111716.	-270.	111719.	-87.8
8	5.0	-2.17	-.5	-1247.3	1247.3	108408.	-127.	108408.	-94.4
9	10.0	-4.34	2.7	-1200.0	1200.0	104475.	320.	104475.	-90.4
10	15.0	-6.51	4.4	-1104.7	1104.7	94304.	543.	94306.	-89.5
11	20.0	-8.68	5.3	-1013.0	1013.0	84901.	674.	84904.	-88.1
12	25.0	-10.86	5.9	-939.1	939.1	77665.	761.	77669.	-88.0
13	30.0	-13.03	6.5	-830.0	830.0	65982.	819.	65987.	-83.7

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 4   WAVE DIRECTION =270.000

X SHEAR FORCE =	1.5927	KIPS
Y SHEAR FORCE =	-1351.1451	KIPS
RESULTANT SHEAR FORCE =	1351.1460	KIPS
X MUDLINE MOMENT =	115033.7969	FT-KIPS
Y MUDLINE MOMENT =	194.1206	FT-KIPS
RESULTANT MUDLINE MOMENT =	115033.9607	FT-KIPS
Z VERTICAL FORCE =	-74.1271	KIPS

**** D E A D   L O A D   R E P O R T ****

LOAD CONDITION   5   MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD =   -397.2605 KIPS

**** D E A D   L O A D   R E P O R T ****

LOAD CONDITION   5   MEAN WATER DEPTH = 139.800 FT

STRUCTURE DEAD LOAD =   -397.2605 KIPS

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              *****************************************************
              *                                                   *
              *                    SEALOAD-2                      *                    PAGE   1
              *                                                   *
              *     DEVELOPED BY SYNERCOM TECHNOLOGY, INC.        *
              *               HOUSTON, TEXAS                      *
              *              RELEASE 2  MOD 13                    *
              *                  AUG 1976                         *
              *                                                   *
              *****************************************************

                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     1  SECT
     2  SECT W1SHBON   PRI  5000 3000000 3000000 3000000   1000        500
     3  SECT W18X50    WFC  1620      125   80200    4020   750  570  1800  358   50
     4  SECT W8X24     WFC   706       34    8250    1820   650  398   793  245   50
     5  SECT W8X15     WFC   456       11    3010     967   600  269   600  235   50
     6  SECT W21X73    WFC  2150      302  160000    7060   850 0740  2124 0455  064
     7  GRUP
     8  GRUP 086             862  500  29   116  36        100 100       5000
     9  GRUP 106            1075  844  29   116  36        100 100       5000
    10  GRUP 120            1275  500  29   116  36         80 100       5000
    11  GRUP 120            1275  750                       80 100       5000
    12  GRUP 125            1275  500  29   116  36         80  80       5000
    13  GRUP 125            1275  500  29   116  36         80  80       5000
    14  GRUP 127            1075  365                       80  80       5000
    15  GRUP 137            1275  375                      160  80       5000
    16  GRUP 148            1075  365                       80  80       5000
    17  GRUP 149            1075  365                       80  80       5000
    18  GRUP 140            1400  375  29   116  36         80  80       5000
    19  GRUP 160            1600  625                       80  80       5000
    20  GRUP 165            1600  625                       80 100       5000
    21  GRUP 168            1275  375                      160  80       5000
    22  GRUP 189            1400  500                      160  80       5000
    23  GRUP 200            2000  525  29   116  36         80  80       5000
    24  GRUP 200            2000  625  29   116  36        160  80       5000
    25  GRUP DRL            3000 1000  29   116  36        100 100       5000
    26  GRUP  P1            4200 1750  29   116  36        100 100       5000
    27  GRUP  P2            4200 2000  29   116  36        100 100       5000
    28  GRUP  P3            4200 2375                      100 100       5000
    29  GRUP JL4            4650 1000                       80 100       5000
    30  GRUP JL5            4650 1000                       80 100       5000
    31  GRUP JL6            4650 1000                       80 100       5000
    32  GRUP JL7            4550  500                       80 100       5000
    33  GRUP JL8            4550  500                       80 100       5000
    34  GRUP JL9            4550  500                       80 100       5000
    35  GRUP BJM            1800  500  29   116  36        100 100       5000
    36  GRUP W5N WISHBON               29   116  36
    37  GRUP W18 W18X50                29   116  36        200  50   01
    38  GRUP W08 W8X24                 29   116  36        100 100   01
    39  GRUP W21 W21X73                29   116  36        200  50   01
    40  MEMBER
    41  MEMBER  101 102 W18                                                  1800
    42  MEMBER  102 103 W18                                                  1800
```

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

      43 MEMBER  103 105 W18                                                 1800
      44 MEMBER  105 106 W18                                                 1800
      45 MEMBER  101 104 W18                                                 1800
      46 MEMBER  104 106 W18                                                 1800
      47 MEMBER  102 104 W08                                                 0800
      48 MEMBER  102 105 W08                                                 0800
      49 MEMBER  104 105 W08                                                 0800
      50 MEMBER  105 201 120SK     111       111                             2400
      51 MEMBER  201 202 W18                                                 1800
      52 MEMBER  202 203 W18                                                 1800
      53 MEMBER  203 205 W21                                                 2100
      54 MEMBER  205 206 W21                                                 2100
      55 MEMBER  201 204 W18                                                 1800
      56 MEMBER  204 206 W18                                                 1800
      57 MEMBER  202 204 W08                                                 0800
      58 MEMBER  202 205 W08                                                 0800
      59 MEMBER  204 205 W08                                                 0800
      60 MEMBER  201 303 120                                                 4300
      61 MEMBER  203 306 120                                                 4300
      62 MEMBER  206 301 120                                                 4300
      63 MEMBER  301 403 120SK     111       111                             2400
      64 MEMBER  301 303 123                                                 2100
      65 MEMBER  303 306 123                                                 2100
      66 MEMBER  301 306 123                                                 2100
      67 MEMBER  501 502 165                                                 1600
      68 MEMBER  502 503 165                                                 1600
      69 MEMBER  503 505 165                                                 1600
      70 MEMBER  505 506 165                                                 1600
      71 MEMBER  501 504 165                                                 1600
      72 MEMBER  504 506 165                                                 1600
      73 MEMBER  502 504 125                                                 1275
      74 MEMBER  502 505 125                                                 1275
      75 MEMBER  504 505 125                                                 1275
      76 MEMBER  501 507 W8NSK                                               0000
      77 MEMBER  507 510 W8NSK          1111                                 0000
      78 MEMBER  503 508 W8NSK                                               0000
      79 MEMBER  508 511 W8NSK          1111                                 0000
      80 MEMBER  506 509 W8NSK                                               0000
      81 MEMBER  509 512 W8NSK          1111                                 0000
      82 MEMBER  501 513 125SK                                               1200
      83 MEMBER  503 514 125SK                                               1200
      84 MEMBER  513 651 80MSK                                               4000
      85 MEMBER  514 653 80MSK                                               4000
      86 MEMBER  601 611 106SK                                               1400
      87 MEMBER  603 613 106SK                                               1400
      88 MEMBER  651 601 106SK
      89 MEMBER  653 653 106SK
      90 MEMBER  611 612 086SK                                               1200
      91 MEMBER  612 613 086SK                                               1200
      92 MEMBER  661 662 086SK                                               2680
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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   143  MEMBER  901 904 169                                                     2205
   144  MEMBER  904 906 169                                                     2205
   145  MEMBER  902 904 149                                                     1757
   146  MEMBER  902 905 149                                                     1757
   147  MEMBER  904 905 149                                                     1757
   148  MEMBER  901 907 WBNSK                                                   0000
   149  MEMBER  907 910 WBNSK          1111                                     0000
   150  MEMBER  903 908 WBNSK                                                   0000
   151  MEMBER  908 911 WBNSK          1111                                     0000
   152  MEMBER  906 909 WBNSK                                                   0000
   153  MEMBER  909 912 WBNSK          1111                                     0000
   154  MEMBER  9011002 160                                                     2481
   155  MEMBER  9031002 160                                                     2481
   156  MEMBER  9031005 160                                                     2481
   157  MEMBER  9061005 160                                                     2481
   158  MEMBER  9011004 160                                                     2481
   159  MEMBER  9061004 160                                                     2481
   160  MEMBER 10011002 200                                                     3032
   161  MEMBER 10021003 200                                                     3032
   162  MEMBER 10031005 200                                                     3032
   163  MEMBER 10051006 200                                                     3032
   164  MEMBER 10011004 200                                                     3032
   165  MEMBER 10041006 200                                                     3032
   166  MEMBER 10021004 140                                                     2205
   167  MEMBER 10021005 140                                                     2205
   168  MEMBER 10041005 140                                                     2205
   169  MEMBER 10011007 WBNSK                                                   0000
   170  MEMBER 10071010 WBNSK          1111                                     0000
   171  MEMBER 10031008 WBNSK                                                   0000
   172  MEMBER 10081011 WBNSK          1111                                     0000
   173  MEMBER 10061009 WBNSK                                                   0000
   174  MEMBER 10091012 WBNSK          1111                                     0000
   175  MEMBER  101 201 DKL
   176  MEMBER  103 203 DKL
   177  MEMBER  106 206 DKL                                                     3000
   178  MEMBER  201 301 DKL                                                     3000
   179  MEMBER  203 303 DKL                                                     3000
   180  MEMBER  206 306 DKL                                                     3000
   181  MEMBER  301 401 DKL                                                     3000
   182  MEMBER  303 403 DKL                                                     3000
   183  MEMBER  306 406 DKL                                                     3000
   184  MEMBER  401 501 JL4                                                  F  4750
   185  MEMBER  403 503 JL4                                                  F  4750
   186  MEMBER  406 506 JL4                                                  F  4750
   187  MEMBER  501 601 JL5                                                  F  4750
   188  MEMBER  503 603 JL5                                                  F  4750
   189  MEMBER  506 606 JL5                                                  F  4750
   190  MEMBER  601 641 JL6                                                  F  4750
   191  MEMBER  603 643 JL6                                                  F  4750
   192  MEMBER  606 646 JL6                                                  F  4750
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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    193  MEMBER   641 651 JL6                                                  F  6823
    194  MEMBER   643 653 JL6                                                  F  6823
    195  MEMBER   646 656 JL6                                                  F  6823
    196  MEMBER   651 701 JL6                                                  F  6823
    197  MEMBER   653 703 JL6                                                  F  6823
    198  MEMBER   656 706 JL6                                                  F  6823
    199  MEMBER   701 801 JL7                                                  F  6547
    200  MEMBER   703 803 JL7                                                  F  6547
    201  MEMBER   706 806 JL7                                                  F  6547
    202  MEMBER   801 901 JL8                                                  F  6547
    203  MEMBER   803 903 JL8                                                  F  6547
    204  MEMBER   806 906 JL8                                                  F  6547
    205  MEMBER   9011001 JL9                                                  F  6547
    206  MEMBER   9031003 JL9                                                  F  6547
    207  MEMBER   9061006 JL9                                                  F  6547
    208  MEMBER   401 510  P1                                                  F  0000 1
    209  MEMBER   403 511  P1                                                  F  0000 2
    210  MEMBER   406 512  P1                                                  F  0000 3
    211  MEMBER   510 710  P1                                                  F  0000 1
    212  MEMBER   511 711  P1                                                  F  0000 2
    213  MEMBER   512 712  P1                                                  F  0000 3
    214  MEMBER   710 810  P2                                                  F  0000 1
    215  MEMBER   711 811  P2                                                  F  0000 2
    216  MEMBER   712 812  P2                                                  F  0000 3
    217  MEMBER   810 910  P2                                                  F  0000 1
    218  MEMBER   811 911  P2                                                  F  0000 2
    219  MEMBER   812 912  P2                                                  F  0000 3
    220  MEMBER   9101010  P3                                                  F  0000 1
    221  MEMBER   9111011  P3                                                  F  0000 2
    222  MEMBER   9121012  P3                                                  F  0000 3
    223  FOUND
    224  CVRG       4       0.05      0.05     0.005
    225  PILE  1010       200.0      29.0      11.6
    226  PROP              42.0      42.0     2.375      20.0
    227  PROP              42.0      42.0      1.75      70.0
    228  PROP              42.0      42.0       1.5     120.0
    229  PROP              42.0      42.0       1.5     200.0
    230  PY         2       0.0
    231  FORCE              0.0       0.0
    232  DEFL               0.0      20.0
    233  PY         2       5.0
    234  FORCE              0.0       0.0
    235  DEFL               0.0      20.0
    236  PY         6       8.0
    237  FORCE              0.0     0.107     0.129     0.153     0.169     0.188
    238  FORCE            0.237     0.237
    239  DEFL               0.0     0.049      0.12      0.27      0.43      0.70
    240  DEFL              1.58      20.0
    241  PY         6      14.0
    242  FORCE              0.0     0.366     0.611     0.906     1.136     1.440
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LINE NO.									
243	FORCE		2.274	2.274					
244	DEFL		0.0	0.036	0.11	0.26	0.42	0.70	
245	DEFL		1.58	20.0					
246	PY	8	24.0						
247	FORCE		0.0	1.204	1.681	2.347	2.896	3.644	
248	FORCE		5.830	5.830					
249	DEFL		0.0	0.069	0.14	0.28	0.45	0.70	
250	DEFL		1.58	20.0					
251	PY	8	33.0						
252	FORCE		0.0	2.789	3.444	4.456	5.337	6.572	
253	FORCE		10.515	10.515					
254	DEFL		0.0	0.12	0.18	0.31	0.45	0.70	
255	DEFL		1.58	20.0					
256	PY	7	33.08						
257	FORCE		0.0	1.354	1.838	2.494	3.384	4.594	
258	FORCE		4.594						
259	DEFL		0.0	0.064	0.16	0.40	1.01	2.52	
260	DEFL		20.0						
261	PY	7	45.0						
262	FORCE		0.0	2.321	3.150	4.275	5.802	7.875	
263	FORCE		7.875						
264	DEFL		0.0	0.064	0.16	0.40	1.01	2.52	
265	DEFL		20.0						
266	PY	8	45.08						
267	FORCE		0.0	2.532	3.433	4.719	5.791	7.259	
268	FORCE		11.615	11.615					
269	DEFL		0.0	0.078	0.15	0.29	0.44	0.70	
270	DEFL		1.58	20.0					
271	PY	8	65.0						
272	FORCE		0.0	3.542	4.840	6.080	8.210	10.303	
273	FORCE		16.485	16.485					
274	DEFL		0.0	0.075	0.15	0.28	0.44	0.70	
275	DEFL		1.58	20.0					
276	PY	8	90.0						
277	FORCE		0.0	4.756	6.551	9.079	11.176	14.040	
278	FORCE		22.464	22.464					
279	DEFL		0.0	0.073	0.14	0.28	0.44	0.70	
280	DEFL		1.58	20.0					
281	PY	8	90.08						
282	FORCE		0.0	1.499	3.003	4.689	5.988	7.706	
283	FORCE		12.329	12.329					
284	DEFL		0.0	0.023	0.098	0.25	0.41	0.70	
285	DEFL		1.58	20.0					
286	PY	8	95.0						
287	FORCE		0.0	1.581	3.167	4.945	6.314	8.126	
288	FORCE		13.001	13.001					
289	DEFL		0.0	0.023	0.098	0.25	0.41	0.70	
290	DEFL		1.58	20.0					
291	PY	8	114.0						
292	FORCE		0.0	1.838	3.728	5.833	7.452	9.594	

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   293  FORCE          15.350    15.350
   294  DEFL              0.0     0.022     0.097       0.25      0.41      0.70
   295  DEFL             1.58      20.0
   296  PILE  1011      200.0      29.0      11.6
   297  PILE  1012      200.0      29.0      11.6
   298  JOINT
   299  JOINT  101     1450  -837  16800                       TOP DECK
   300  JOINT  102      000  -837  16800                       TOP DECK
   301  JOINT  103    -1450  -837  16800                       TOP DECK
   302  JOINT  104      725   418  16800                       TOP DECK
   303  JOINT  105     -725   418  16800                       TOP DECK
   304  JOINT  106      000  1674  16800                       TOP DECK
   305  JOINT  201     1450  -837  15300                       EOM DECK
   306  JOINT  202      000  -837  15300                       EOM DECK
   307  JOINT  203    -1450  -837  15300                       EOM DECK
   308  JOINT  204      725   418  15300                       EOM DECK
   309  JOINT  205     -725   418  15300                       EOM DECK
   310  JOINT  206      000  1674  15300                       EOM DECK
   311  JOINT  301     1450  -837  13800                       DK BRACE
   312  JOINT  303    -1450  -837  13800                       DK BRACE
   313  JOINT  306      000  1674  13800                       DK BRACE
   314  JOINT  401     1450  -837  10950                       WP LEVEL
   315  JOINT  403    -1450  -837  10950                       WP LEVEL
   316  JOINT  406      000  1674  10950                       WP LEVEL
   317  JOINT  501     1515  -875  10500                        5 LEVEL
   318  JOINT  502      000  -875  10500                        5 LEVEL
   319  JOINT  503    -1515  -875  10500                        5 LEVEL
   320  JOINT  504      757   437  10500                        5 LEVEL
   321  JOINT  505     -757   437  10500                        5 LEVEL
   322  JOINT  506      000  1749  10500                        5 LEVEL
   323  JOINT  507     1686  -973  10533                        5 LEVEL
   324  JOINT  508    -1686  -973  10533                        5 LEVEL
   325  JOINT  509      000  1947  10533                        5 LEVEL
   326  JOINT  510     1515  -875  10501                        5 LEVEL
   327  JOINT  511    -1515  -875  10501                        5 LEVEL
   328  JOINT  512      000  1749  10501                        5 LEVEL
   329  JOINT  513     1775 -1025  10500                        5 LEVEL
   330  JOINT  514    -1775 -1025  10500                        5 LEVEL
   331  JOINT  601     1601  -925   9900                       BOAT LOG
   332  JOINT  603    -1601  -925   9900                       BOAT LOG
   333  JOINT  606      000  1848   9900                       BOAT LOG
   334  JOINT  611     1601 -1525   9900                       BOAT LOG
   335  JOINT  612      000 -1525   9900                       BOAT LOG
   336  JOINT  613    -1601 -1525   9900                       BOAT LOG
   337  JOINT  641     1686  -975   9300                       MLW
   338  JOINT  642     -113  -975   9300                       MLW
   339  JOINT  643    -1686  -975   9300                       MLW
   340  JOINT  644      900   390   9300                       MLW
   341  JOINT  645     -788   585   9300                       MLW
   342  JOINT  646      000  1949   9300                       MLW
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
         (column scale: 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8)
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343	JOINT	651	1775	-1025	8700	BOAT LDG
344	JOINT	653	-1775	-1025	8700	BOAT LDG
345	JOINT	656	000	2049	8700	BOAT LDG
346	JOINT	661	1775	-1525	8700	BOAT LDG
347	JOINT	662	000	-1525	8700	BOAT LDG
348	JOINT	663	-1775	-1525	8700	BOAT LDG
349	JOINT	701	1876	-1083	8000	7 LEVEL
350	JOINT	702	000	-1083	8000	7 LEVEL
351	JOINT	703	-1876	-1083	8000	7 LEVEL
352	JOINT	704	938	542	8000	7 LEVEL
353	JOINT	705	-938	542	8000	7 LEVEL
354	JOINT	706	000	2166	8000	7 LEVEL
355	JOINT	707	2047	-1182	8033	7 LEVEL
356	JOINT	708	-2047	-1182	8033	7 LEVEL
357	JOINT	709	000	2363	8033	7 LEVEL
358	JOINT	710	1876	-1083	8001	7 LEVEL
359	JOINT	711	-1876	-1083	8001	7 LEVEL
360	JOINT	712	000	2166	8001	7 LEVEL
361	JOINT	801	2251	-1300	5400	8 LEVEL
362	JOINT	802	000	-1300	5400	8 LEVEL
363	JOINT	803	-2251	-1300	5400	8 LEVEL
364	JOINT	804	1126	650	5400	8 LEVEL
365	JOINT	805	-1126	650	5400	8 LEVEL
366	JOINT	806	000	2599	5400	8 LEVEL
367	JOINT	807	2422	-1398	5433	8 LEVEL
368	JOINT	808	-2422	-1398	5433	8 LEVEL
369	JOINT	809	000	2797	5433	8 LEVEL
370	JOINT	810	2251	-1300	5401	8 LEVEL
371	JOINT	811	-2251	-1300	5401	8 LEVEL
372	JOINT	812	000	2599	5401	8 LEVEL
373	JOINT	901	2641	-1525	2700	9 LEVEL
374	JOINT	902	000	-1525	2700	9 LEVEL
375	JOINT	903	-2641	-1525	2700	9 LEVEL
376	JOINT	904	1320	762	2700	9 LEVEL
377	JOINT	905	-1320	762	2700	9 LEVEL
378	JOINT	906	000	3049	2700	9 LEVEL
379	JOINT	907	2812	-1623	2733	9 LEVEL
380	JOINT	908	-2812	-1623	2733	9 LEVEL
381	JOINT	909	000	3267	2733	9 LEVEL
382	JOINT	910	2641	-1525	2701	9 LEVEL
383	JOINT	911	-2641	-1525	2701	9 LEVEL
384	JOINT	912	000	3049	2701	9 LEVEL
385	JOINT	1001	3031	-1750	000	MUDLINE
386	JOINT	1002	000	-1750	000	MUDLINE
387	JOINT	1003	-3031	-1750	000	MUDLINE
388	JOINT	1004	1515	875	000	MUDLINE
389	JOINT	1005	-1515	875	000	MUDLINE
390	JOINT	1006	000	3499	000	MUDLINE
391	JOINT	1007	3201	-1848	033	MUDLINE
392	JOINT	1008	-3201	-1848	033	MUDLINE

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

JOINT 1009      000    3697     033                                    MUDLINE
JOINT 1010     3031   -1750     001                             111111
JOINT 1010                                                      NONLIN
JOINT 1010                                     1010       910 OBLIQU
JOINT 1011    -3031   -1750     001                             111111
JOINT 1011                                                      NONLIN
JOINT 1011                                     1011       911 OBLIQU
JOINT 1012      000    3499     001                             111111
JOINT 1012                                                      NONLIN
JOINT 1012                                     1012       912 OBLIQU
LOAD
LOADCN    1
LOAD X  401 510     0.00       67                               GLOB CONC      WN 0 1
LOAD Y  401 510                                    0.00   35120 GLOB MOMT      WN 0 1
LOAD Y  401 510     0.00      117                               GLOB CONC      WN 0 1
LOAD X  401 510                                    0.00-  60830 GLOB MOMT      WN 0 1
LOAD X  403 511     0.00       67                               GLOB CONC      WN 0 1
LOAD Y  403 511                                    0.00   35120 GLOB MOMT      WN 0 1
LOAD Y  403 511     0.00      117                               GLOB CONC      WN 0 1
LOAD X  403 511                                    0.00-  60830 GLOB MOMT      WN 0 1
LOAD X  406 512     0.00       67                               GLOB CONC      WN 0 1
LOAD Y  406 512                                    0.00   35120 GLOB MOMT      WN 0 1
LOAD Y  406 512     0.00      117                               GLOB CONC      WN 0 1
LOAD X  406 512                                    0.00-  60830 GLOB MOMT      WN 0 1
LOAD X  401 510     0.00      163                               GLOB CONC      WN 0 1
LOAD Y  401 510                                    0.00   94760 GLOB MOMT      WN 0 1
LOAD Y  401 510     0.00      282                               GLOB CONC      WN 0 1
LOAD X  401 510                                    0.00-164129 GLOB MOMT      WN 0 1
LOAD X  403 511     0.00      163                               GLOB CONC      WN 0 1
LOAD Y  403 511                                    0.00   94760 GLOB MOMT      WN 0 1
LOAD Y  403 511     0.00      282                               GLOB CONC      WN 0 1
LOAD X  403 511                                    0.00-164129 GLOB MOMT      WN 0 1
LOAD X  406 512     0.00      163                               GLOB CONC      WN 0 1
LOAD Y  406 512                                    0.00   94760 GLOB MOMT      WN 0 1
LOAD Y  406 512     0.00      282                               GLOB CONC      WN 0 1
LOAD X  406 512                                    0.00-164129 GLOB MOMT      WN 0 1
LOAD X  201 303    17.23       50    5.14      59               GLOB UNIF      WV 0 1
LOAD Y  201 303    17.23      137    5.14     187               GLOB UNIF      WV 0 1
LOAD Z  201 303    17.23-      96    5.14-    114               GLOB UNIF      WV 0 1
LOAD X  201 303    22.37       59    5.14      61               GLOB UNIF      WV 0 1
LOAD Y  201 303    22.37      187    5.14     200               GLOB UNIF      WV 0 1
LOAD Z  201 303    22.37-     114    5.14-    116               GLOB UNIF      WV 0 1
LOAD X  201 303    27.51       61    5.14      62               GLOB UNIF      WV 0 1
LOAD Y  201 303    27.51      200    5.14     207               GLOB UNIF      WV 0 1
LOAD Z  201 303    27.51-     118    5.14-    119               GLOB UNIF      WV 0 1
LOAD X  203 306    26.79       15    2.93      18               GLOB UNIF      WV 0 1
LOAD Y  203 306    26.79       26    2.93      31               GLOB UNIF      WV 0 1
LOAD Z  203 306    26.79       59    2.93      69               GLOB UNIF      WV 0 1
LOAD X  203 306    29.72       16    2.93      17               GLOB UNIF      WV 0 1
LOAD Y  203 306    29.72       31    2.93      29               GLOB UNIF      WV 0 1
```

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

443	LOAD	Z	203	306	29.72	69	2.93	65	GLOB	UNIF	WV	0	1
444	LOAD	X	206	301	22.22	85	3.48	135	GLOB	UNIF	WV	0	1
445	LOAD	Y	206	301	22.22	89	3.48	129	GLOB	UNIF	WV	0	1
446	LOAD	Z	206	301	22.22-	66	3.48-	66	GLOB	UNIF	WV	0	1
447	LOAD	X	206	301	25.69	135	3.48	169	GLOB	UNIF	WV	0	1
448	LOAD	Y	206	301	25.69	129	3.48	156	GLOB	UNIF	WV	0	1
449	LOAD	Z	206	301	25.69-	86	3.48-	102	GLOB	UNIF	WV	0	1
450	LOAD	X	206	301	29.17	169	3.48	176	GLOB	UNIF	WV	0	1
451	LOAD	Y	206	301	29.17	156	3.48	167	GLOB	UNIF	WV	0	1
452	LOAD	Z	206	301	29.17-	102	3.48-	106	GLOB	UNIF	WV	0	1
453	LOAD	X	301	403	0.00	44	20.33	56	GLOB	UNIF	WV	0	1
454	LOAD	Y	301	403	0.00	124	20.33	154	GLOB	UNIF	WV	0	1
455	LOAD	Z	301	403	0.00-	45	20.33-	57	GLOB	UNIF	WV	0	1
456	LOAD	X	301	403	20.33	56	20.33	36	GLOB	UNIF	WV	0	1
457	LOAD	Y	301	403	20.33	154	20.33	95	GLOB	UNIF	WV	0	1
458	LOAD	Z	301	403	20.33-	57	20.33-	39	GLOB	UNIF	WV	0	1
459	LOAD	Y	301	303	0.00	108	29.00	105	GLOB	UNIF	WV	0	1
460	LOAD	Z	301	303	0.00-	13	29.00-	23	GLOB	UNIF	WV	0	1
461	LOAD	Z	303	306	0.00-	23	9.67-	17	GLOB	UNIF	WV	0	1
462	LOAD	Z	303	306	9.67-	17	9.67-	09	GLOB	UNIF	WV	0	1
463	LOAD	Z	303	306	19.33-	09	7.38		GLOB	UNIF	WV	0	1
464	LOAD	Z	303	306	26.71		2.29	05	GLOB	UNIF	WV	0	1
465	LOAD	X	301	306	0.00	95	9.67	90	GLOB	UNIF	WV	0	1
466	LOAD	Y	301	306	0.00	54	9.67	52	GLOB	UNIF	WV	0	1
467	LOAD	Z	301	306	0.00-	13	9.67-	09	GLOB	UNIF	WV	0	1
468	LOAD	X	301	306	9.67	90	9.67	86	GLOB	UNIF	WV	0	1
469	LOAD	Y	301	306	9.67	52	9.67	50	GLOB	UNIF	WV	0	1
470	LOAD	Z	301	306	9.67-	09	9.67-	05	GLOB	UNIF	WV	0	1
471	LOAD	X	301	306	19.33	86	9.67	59	GLOB	UNIF	WV	0	1
472	LOAD	Y	301	306	19.33	50	9.67	34	GLOB	UNIF	WV	0	1
473	LOAD	Z	301	306	19.33-	05	6.09		GLOB	UNIF	WV	0	1
474	LOAD	Z	301	306	25.42		3.57	03	GLOB	UNIF	WV	0	1
475	LOAD	Y	501	502	0.00	60	15.15	60	GLOB	UNIF	WV	0	1
476	LOAD	Z	501	502	0.00-	08	15.15-	09	GLOB	UNIF	WV	0	1
477	LOAD	Y	502	503	0.00	60	15.15	58	GLOB	UNIF	WV	0	1
478	LOAD	Z	502	503	0.00-	09	15.15-	09	GLOB	UNIF	WV	0	1
479	LOAD	Z	503	505	0.00-	09	15.15-	08	GLOB	UNIF	WV	0	1
480	LOAD	Z	505	506	0.00-	08	15.15-	04	GLOB	UNIF	WV	0	1
481	LOAD	X	501	504	0.00	52	15.15	52	GLOB	UNIF	WV	0	1
482	LOAD	Y	501	504	0.00	30	15.15	30	GLOB	UNIF	WV	0	1
483	LOAD	Z	501	504	0.00-	08	15.15-	06	GLOB	UNIF	WV	0	1
484	LOAD	X	504	506	0.00	52	15.15	51	GLOB	UNIF	WV	0	1
485	LOAD	Y	504	506	0.00	30	15.15	29	GLOB	UNIF	WV	0	1
486	LOAD	Z	504	506	0.00-	06	15.15-	04	GLOB	UNIF	WV	0	1
487	LOAD	Z	502	504	0.00-	06	7.57-	05	GLOB	UNIF	WV	0	1
488	LOAD	Z	502	504	7.57-	05	7.57-	04	GLOB	UNIF	WV	0	1
489	LOAD	X	502	505	0.00	42	15.15	41	GLOB	UNIF	WV	0	1
490	LOAD	Y	502	505	0.00	24	15.15	24	GLOB	UNIF	WV	0	1
491	LOAD	Z	502	505	0.00-	06	15.15-	05	GLOB	UNIF	WV	0	1
492	LOAD	Y	504	505	0.00	48	15.14	48	GLOB	UNIF	WV	0	1

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   493   LOAD Z  504 505    0.00-   04  15.14-    05                GLOB UNIF    WV 0 1
   494   LOAD X  501 513    0.00    26   3.00     26                GLOB UNIF    WV 0 1
   495   LOAD Y  501 513    0.00    45   3.00     45                GLOB UNIF    WV 0 1
   496   LOAD Z  501 513    0.00-   04   3.00-    04                GLOB UNIF    WV 0 1
   497   LOAD X  503 514    0.00-   13   3.00-    13                GLOB UNIF    WV 0 1
   498   LOAD Y  503 514    0.00    22   3.00     22                GLOB UNIF    WV 0 1
   499   LOAD Z  503 514    0.00-   05   3.00-    06                GLOB UNIF    WV 0 1
   500   LOAD X  513 651    0.00    92   6.00     81                GLOB UNIF    WV 0 1
   501   LOAD Y  513 651    0.00   159   6.00    141                GLOB UNIF    WV 0 1
   502   LOAD X  513 651    6.00    81   6.00     73                GLOB UNIF    WV 0 1
   503   LOAD Y  513 651    6.00   141   6.00    126                GLOB UNIF    WV 0 1
   504   LOAD X  513 651   12.00    73   6.00     65                GLOB UNIF    WV 0 1
   505   LOAD Y  513 651   12.00   126   6.00    113                GLOB UNIF    WV 0 1
   506   LOAD X  514 653    0.00    79   6.00     70                GLOB UNIF    WV 0 1
   507   LOAD Y  514 653    0.00   136   6.00    121                GLOB UNIF    WV 0 1
   508   LOAD X  514 653    6.00    70   6.00     63                GLOB UNIF    WV 0 1
   509   LOAD Y  514 653    6.00   121   6.00    108                GLOB UNIF    WV 0 1
   510   LOAD X  514 653   12.00    63   6.00     56                GLOB UNIF    WV 0 1
   511   LOAD Y  514 653   12.00   108   6.00     97                GLOB UNIF    WV 0 1
   512   LOAD X  601 611    0.00    27   6.00     27                GLOB UNIF    WV 0 1
   513   LOAD Z  601 611    0.00-   05   6.00-    06                GLOB UNIF    WV 0 1
   514   LOAD X  603 613    0.00    26   6.00     25                GLOB UNIF    WV 0 1
   515   LOAD Z  603 613    0.00-   07   6.00-    07                GLOB UNIF    WV 0 1
   516   LOAD Y  611 612    0.00    40  16.01     39                GLOB UNIF    WV 0 1
   517   LOAD Z  611 612    0.00-   04  16.01-    05                GLOB UNIF    WV 0 1
   518   LOAD Y  612 613    0.00    39  16.01     37                GLOB UNIF    WV 0 1
   519   LOAD Z  612 613    0.00-   05  16.01-    05                GLOB UNIF    WV 0 1
   520   LOAD Y  661 662    0.00    71  17.75     71                GLOB UNIF    WV 0 1
   521   LOAD Z  661 662    0.00-   04  17.75-    05                GLOB UNIF    WV 0 1
   522   LOAD Y  662 663    0.00    71  17.75     68                GLOB UNIF    WV 0 1
   523   LOAD Z  662 663    0.00-   05  17.75-    06                GLOB UNIF    WV 0 1
   524   LOAD X  611 661    0.00    53   6.06     48                GLOB UNIF    WV 0 1
   525   LOAD Y  611 661    0.00   101   6.06     91                GLOB UNIF    WV 0 1
   526   LOAD Z  611 661    0.00    08   6.06     07                GLOB UNIF    WV 0 1
   527   LOAD X  611 661    6.06    48   6.06     43                GLOB UNIF    WV 0 1
   528   LOAD Y  611 661    6.06    91   6.06     82                GLOB UNIF    WV 0 1
   529   LOAD Z  611 661    6.06    07   6.06     06                GLOB UNIF    WV 0 1
   530   LOAD X  612 662    0.00    38   6.00     34                GLOB UNIF    WV 0 1
   531   LOAD Y  612 662    0.00    65   6.00     58                GLOB UNIF    WV 0 1
   532   LOAD X  612 662    6.00    34   6.00     30                GLOB UNIF    WV 0 1
   533   LOAD Y  612 662    6.00    58   6.00     52                GLOB UNIF    WV 0 1
   534   LOAD X  613 663    0.00    54   6.06     49                GLOB UNIF    WV 0 1
   535   LOAD Y  613 663    0.00    89   6.06     79                GLOB UNIF    WV 0 1
   536   LOAD Z  613 663    0.00-   08   6.06-    07                GLOB UNIF    WV 0 1
   537   LOAD X  613 663    6.06    49   6.06     44                GLOB UNIF    WV 0 1
   538   LOAD Y  613 663    6.06    79   6.06     71                GLOB UNIF    WV 0 1
   539   LOAD Z  613 663    6.06-   07   6.06-    06                GLOB UNIF    WV 0 1
   540   LOAD X  501 642    0.00    16  10.12     17                GLOB UNIF    WV 0 1
   541   LOAD Y  501 642    0.00    75  10.12     68                GLOB UNIF    WV 0 1
   542   LOAD Z  501 642    0.00-   31  10.12-    28                GLOB UNIF    WV 0 1
```

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
543	LOAD	X	501	642	10,12	17	10,12	16	GLOB UNIF	WV	0	1
544	LOAD	Y	501	642	10,12	66	10,12	58	GLOB UNIF	WV	0	1
545	LOAD	Z	501	642	10,12-	28	10,12-	26	GLOB UNIF	WV	0	1
546	LOAD	X	503	645	0,00	14	6,75	14	GLOB UNIF	WV	0	1
547	LOAD	Y	503	645	0,00	18	6,75	17	GLOB UNIF	WV	0	1
548	LOAD	Z	503	645	0,00	30	6,75	29	GLOB UNIF	WV	0	1
549	LOAD	X	503	645	6,75	14	6,75	13	GLOB UNIF	WV	0	1
550	LOAD	Y	503	645	6,75	17	6,75	16	GLOB UNIF	WV	0	1
551	LOAD	Z	503	645	6,75	29	6,75	28	GLOB UNIF	WV	0	1
552	LOAD	X	503	645	13,50	13	6,75	13	GLOB UNIF	WV	0	1
553	LOAD	Y	503	645	13,50	16	6,75	15	GLOB UNIF	WV	0	1
554	LOAD	Z	503	645	13,50	28	6,75	26	GLOB UNIF	WV	0	1
555	LOAD	X	506	644	0,00	55	10,12	49	GLOB UNIF	WV	0	1
556	LOAD	Y	506	644	0,00	57	10,12	52	GLOB UNIF	WV	0	1
557	LOAD	Z	506	644	0,00-	25	10,12-	23	GLOB UNIF	WV	0	1
558	LOAD	X	506	644	10,12	49	10,12	44	GLOB UNIF	WV	0	1
559	LOAD	Y	506	644	10,12	52	10,12	48	GLOB UNIF	WV	0	1
560	LOAD	Z	506	644	10,12-	23	10,12-	21	GLOB UNIF	WV	0	1
561	LOAD	X	642	703	0,00	21	7,31	19	GLOB UNIF	WV	0	1
562	LOAD	Y	642	703	0,00	86	7,31	80	GLOB UNIF	WV	0	1
563	LOAD	Z	642	703	0,00-	35	7,31-	33	GLOB UNIF	WV	0	1
564	LOAD	X	642	703	7,31	19	7,31	18	GLOB UNIF	WV	0	1
565	LOAD	Y	642	703	7,31	80	7,31	73	GLOB UNIF	WV	0	1
566	LOAD	Z	642	703	7,31-	33	7,31-	30	GLOB UNIF	WV	0	1
567	LOAD	X	642	703	14,62	18	7,31	16	GLOB UNIF	WV	0	1
568	LOAD	Y	642	703	14,62	73	7,31	67	GLOB UNIF	WV	0	1
569	LOAD	Z	642	703	14,62-	30	7,31-	27	GLOB UNIF	WV	0	1
570	LOAD	X	645	706	0,00	20	7,31	18	GLOB UNIF	WV	0	1
571	LOAD	Y	645	706	0,00	25	7,31	24	GLOB UNIF	WV	0	1
572	LOAD	Z	645	706	0,00	43	7,31	40	GLOB UNIF	WV	0	1
573	LOAD	X	645	706	7,31	18	7,31	17	GLOB UNIF	WV	0	1
574	LOAD	Y	645	706	7,31	24	7,31	22	GLOB UNIF	WV	0	1
575	LOAD	Z	645	706	7,31	40	7,31	37	GLOB UNIF	WV	0	1
576	LOAD	X	645	706	14,62	17	7,31	16	GLOB UNIF	WV	0	1
577	LOAD	Y	645	706	14,62	22	7,31	20	GLOB UNIF	WV	0	1
578	LOAD	Z	645	706	14,62	37	7,31	34	GLOB UNIF	WV	0	1
579	LOAD	X	644	701	0,00	66	10,97	59	GLOB UNIF	WV	0	1
580	LOAD	Y	644	701	0,00	69	10,97	62	GLOB UNIF	WV	0	1
581	LOAD	Z	644	701	0,00-	28	10,97-	26	GLOB UNIF	WV	0	1
582	LOAD	X	644	701	10,97	59	10,97	52	GLOB UNIF	WV	0	1
583	LOAD	Y	644	701	10,97	62	10,97	55	GLOB UNIF	WV	0	1
584	LOAD	Z	644	701	10,97-	26	10,97-	23	GLOB UNIF	WV	0	1
585	LOAD	Y	701	702	0,00	47	18,76	46	GLOB UNIF	WV	0	1
586	LOAD	Z	701	702	0,00-	02	18,76-	03	GLOB UNIF	WV	0	1
587	LOAD	Y	702	703	0,00	46	18,76	46	GLOB UNIF	WV	0	1
588	LOAD	Z	702	703	0,00-	03	18,76-	03	GLOB UNIF	WV	0	1
589	LOAD	Z	703	705	0,00-	03	18,76-	02	GLOB UNIF	WV	0	1
590	LOAD	Z	705	706	0,00-	02	6,25-	02	GLOB UNIF	WV	0	1
591	LOAD	Z	705	705	6,25-	02	6,25-	1	GLOB UNIF	WV	0	1
592	LOAD	Z	705	706	12,50-	1	6,25		GLOB UNIF	WV	0	1

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   593  LOAD X  701 704   0.00    41  18.76    40               GLOB UNIF    WV 0 1
   594  LOAD Y  701 704   0.00    24  18.76    23               GLOB UNIF    WV 0 1
   595  LOAD Z  701 704   0.00-   02  18.76-   02               GLOB UNIF    WV 0 1
   596  LOAD X  704 706   0.00    40  18.75    38               GLOB UNIF    WV 0 1
   597  LOAD Y  704 706   0.00    23  18.75    22               GLOB UNIF    WV 0 1
   598  LOAD Z  704 706   0.00-   02  18.75                     GLOB UNIF    WV 0 1
   599  LOAD Z  702 704   0.00-   08  18.76-   06               GLOB UNIF    WV 0 1
   600  LOAD X  702 705   0.00    36  18.76    36               GLOB UNIF    WV 0 1
   601  LOAD Y  702 705   0.00    21  18.75    21               GLOB UNIF    WV 0 1
   602  LOAD Z  702 705   0.00-   06  18.76-   07               GLOB UNIF    WV 0 1
   603  LOAD Y  704 705   0.00    42  18.76    42               GLOB UNIF    WV 0 1
   604  LOAD Z  704 705   0.00-   06  18.75-   07               GLOB UNIF    WV 0 1
   605  LOAD X  701 806   0.00    58  16.27    51               GLOB UNIF    WV 0 1
   606  LOAD Y  701 805   0.00    39  16.27    35               GLOB UNIF    WV 0 1
   607  LOAD Z  701 806   0.00    14  16.27    13               GLOB UNIF    WV 0 1
   608  LOAD X  701 806  16.27    51  16.27    44               GLOB UNIF    WV 0 1
   609  LOAD Y  701 806  16.27    35  16.27    30               GLOB UNIF    WV 0 1
   610  LOAD Z  701 806  16.27    13  16.27    11               GLOB UNIF    WV 0 1
   611  LOAD X  701 805  32.55    44  16.27    36               GLOB UNIF    WV 0 1
   612  LOAD Y  701 805  32.55    30  16.27    27               GLOB UNIF    WV 0 1
   613  LOAD Z  701 806  32.55    11  16.27    11               GLOB UNIF    WV 0 1
   614  LOAD X  703 801   0.00    09  16.28    06               GLOB UNIF    WV 0 1
   615  LOAD Y  703 801   0.00    70  16.28    63               GLOB UNIF    WV 0 1
   616  LOAD Z  703 801   0.00    08  16.28    08               GLOB UNIF    WV 0 1
   617  LOAD X  703 801  16.28    08  16.25    08               GLOB UNIF    WV 0 1
   618  LOAD Y  703 801  16.28    63  16.28    56               GLOB UNIF    WV 0 1
   619  LOAD Z  703 801  16.28    08  16.28    08               GLOB UNIF    WV 0 1
   620  LOAD X  703 801  32.55    08  16.28    07               GLOB UNIF    WV 0 1
   621  LOAD Y  703 801  32.55    56  16.28    50               GLOB UNIF    WV 0 1
   622  LOAD Z  703 801  32.55    08  16.28    07               GLOB UNIF    WV 0 1
   623  LOAD X  706 803   0.00    10  16.28    10               GLOB UNIF    WV 0 1
   624  LOAD Y  706 803   0.00    23  16.28    22               GLOB UNIF    WV 0 1
   625  LOAD Z  706 803   0.00-   40  16.28-   38               GLOB UNIF    WV 0 1
   626  LOAD X  706 803  16.28    10  16.28    09               GLOB UNIF    WV 0 1
   627  LOAD Y  706 803  16.28    22  16.28    20               GLOB UNIF    WV 0 1
   628  LOAD Z  706 803  16.28-   38  16.28-   34               GLOB UNIF    WV 0 1
   629  LOAD X  706 803  32.55    09  16.28    07               GLOB UNIF    WV 0 1
   630  LOAD Y  706 803  32.55    20  16.28    16               GLOB UNIF    WV 0 1
   631  LOAD Z  706 803  32.55-   34  16.28-   20               GLOB UNIF    WV 0 1
   632  LOAD Y  801 802   0.00    32  22.51    32               GLOB UNIF    WV 0 1
   633  LOAD Z  801 802   0.00-   02  22.51-   02               GLOB UNIF    WV 0 1
   634  LOAD Y  802 803   0.00    32  22.51    31               GLOB UNIF    WV 0 1
   635  LOAD Z  802 803   0.00-   02  22.51-   02               GLOB UNIF    WV 0 1
   636  LOAD Z  803 805   0.00-   02  22.51-   02               GLOB UNIF    WV 0 1
   637  LOAD Z  805 806   0.00-   02  11.25-    1               GLOB UNIF    WV 0 1-
   638  LOAD Z  805 806  11.25-    1  11.25-    1               GLOB UNIF    WV 0 1
   639  LOAD X  801 804   0.00    28  22.51    28               GLOB UNIF    WV 0 1
   640  LOAD Y  801 804   0.00    16  22.51    16               GLOB UNIF    WV 0 1
   641  LOAD Z  801 804   0.00-   02  22.51-    1               GLOB UNIF    WV 0 1
   642  LOAD X  804 806   0.00    26  22.51    26               GLOB UNIF    WV 0 1
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LINE NO.	Type	Dir	Node 1	Node 2	Col 20	Col 30	Col 35	Col 45	Col 60	Col 65	Col 72	Col 75	Col 78
643	LOAD	Y	804	806	0.00	16	22.51	15	GLOB	UNIF	WV	0	1
644	LOAD	Z	804	806	0.00-	1	22.51-	1	GLOB	UNIF	WV	0	1
645	LOAD	Z	802	804	0.00-	05	22.52-	04	GLOB	UNIF	WV	0	1
646	LOAD	X	802	805	0.00	24	22.52	25	GLOB	UNIF	WV	0	1
647	LOAD	Y	802	805	0.00	14	22.52	14	GLOB	UNIF	WV	0	1
648	LOAD	Z	802	805	0.00-	05	22.52-	05	GLOB	UNIF	WV	0	1
649	LOAD	Y	804	805	0.00	29	22.52	29	GLOB	UNIF	WV	0	1
650	LOAD	Z	804	805	0.00-	04	22.52-	05	GLOB	UNIF	WV	0	1
651	LOAD	X	801	903	0.00	07	18.64	07	GLOB	UNIF	WV	0	1
652	LOAD	Y	801	903	0.00	46	18.64	43	GLOB	UNIF	WV	0	1
653	LOAD	Z	801	903	0.00-	17	18.64-	15	GLOB	UNIF	WV	0	1
654	LOAD	X	801	903	18.64	07	18.64	06	GLOB	UNIF	WV	0	1
655	LOAD	Y	801	903	18.64	45	18.64	37	GLOB	UNIF	WV	0	1
656	LOAD	Z	801	903	18.64-	15	18.64-	13	GLOB	UNIF	WV	0	1
657	LOAD	X	801	903	37.28	06	18.64	05	GLOB	UNIF	WV	0	1
658	LOAD	Y	801	903	37.28	37	18.64	32	GLOB	UNIF	WV	0	1
659	LOAD	Z	801	903	37.28-	13	18.64-	11	GLOB	UNIF	WV	0	1
660	LOAD	X	803	906	0.00	06	18.64	06	GLOB	UNIF	WV	0	1
661	LOAD	Y	803	906	0.00	07	18.64	07	GLOB	UNIF	WV	0	1
662	LOAD	Z	803	906	0.00	17	18.64	17	GLOB	UNIF	WV	0	1
663	LOAD	X	803	906	18.64	06	18.64	06	GLOB	UNIF	WV	0	1
664	LOAD	Y	803	906	18.64	07	18.64	07	GLOB	UNIF	WV	0	1
665	LOAD	Z	803	906	18.64	17	18.64	17	GLOB	UNIF	WV	0	1
666	LOAD	X	803	906	37.28	06	18.64	06	GLOB	UNIF	WV	0	1
667	LOAD	Y	803	906	37.28	07	18.64	07	GLOB	UNIF	WV	0	1
668	LOAD	Z	803	906	37.28	17	18.64	16	GLOB	UNIF	WV	0	1
669	LOAD	X	806	901	0.00	37	18.64	34	GLOB	UNIF	WV	0	1
670	LOAD	Y	806	901	0.00	32	18.64	30	GLOB	UNIF	WV	0	1
671	LOAD	Z	806	901	0.00-	14	18.64-	13	GLOB	UNIF	WV	0	1
672	LOAD	X	806	901	18.64	34	18.64	31	GLOB	UNIF	WV	0	1
673	LOAD	Y	806	901	18.64	30	18.64	28	GLOB	UNIF	WV	0	1
674	LOAD	Z	806	901	18.64-	13	18.64-	12	GLOB	UNIF	WV	0	1
675	LOAD	X	806	901	37.28	31	18.64	28	GLOB	UNIF	WV	0	1
676	LOAD	Y	806	901	37.28	28	18.64	25	GLOB	UNIF	WV	0	1
677	LOAD	Z	806	901	37.28-	12	18.64-	10	GLOB	UNIF	WV	0	1
678	LOAD	Y	901	902	0.00	26	26.41	26	GLOB	UNIF	WV	0	1
679	LOAD	Z	901	902	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
680	LOAD	Y	902	903	0.00	26	26.41	25	GLOB	UNIF	WV	0	1
681	LOAD	Z	902	903	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
682	LOAD	Z	903	905	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
683	LOAD	Z	905	906	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
684	LOAD	X	901	904	0.00	23	26.41	22	GLOB	UNIF	WV	0	1
685	LOAD	Y	901	904	0.00	13	26.41	13	GLOB	UNIF	WV	0	1
686	LOAD	Z	901	904	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
687	LOAD	X	904	906	0.00	22	26.41	21	GLOB	UNIF	WV	0	1
688	LOAD	Y	904	906	0.00	13	26.41	12	GLOB	UNIF	WV	0	1
689	LOAD	Z	904	906	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	1
690	LOAD	Z	902	904	0.00-	02	26.41-	02	GLOB	UNIF	WV	0	1
691	LOAD	X	902	905	0.00	18	26.41	18	GLOB	UNIF	WV	0	1
692	LOAD	Y	902	905	0.00	10	26.41	11	GLOB	UNIF	WV	0	1

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  693  LOAD Z  902 905    0.00-  02  26.41-   02              GLOB UNIF     WV 0 1
  694  LOAD Y  904 905    0.00   22  26.40    21              GLOB UNIF     WV 0 1
  695  LOAD Z  904 905    0.00-  02  26.40-   02              GLOB UNIF     WV 0 1
  696  LOAD X  9011002    0.00   08  12.61    07              GLOB UNIF     WV 0 1
  697  LOAD Y  9011002    0.00   29  12.61    27              GLOB UNIF     WV 0 1
  698  LOAD Z  9011002    0.00-  10  12.61-   10              GLOB UNIF     WV 0 1
  699  LOAD X  9011002   12.61   07  12.61    06              GLOB UNIF     WV 0 1
  700  LOAD Y  9011002   12.61   27  12.61    23              GLOB UNIF     WV 0 1
  701  LOAD Z  9011002   12.61-  10  12.61-   08              GLOB UNIF     WV 0 1
  702  LOAD X  9011002   25.22   06  12.61                    GLOB UNIF     WV 0 1
  703  LOAD Y  9011002   25.22   25  12.61    02              GLOB UNIF     WV 0 1
  704  LOAD Z  9011002   25.22-  06  12.61                    GLOB UNIF     WV 0 1
  705  LOAD X  9051002    0.00   08  12.61    08              GLOB UNIF     WV 0 1
  706  LOAD Y  9051002    0.00   28  12.61    26              GLOB UNIF     WV 0 1
  707  LOAD Z  9051002    0.00   06  12.61    06              GLOB UNIF     WV 0 1
  708  LOAD X  9051002   12.61   08  12.61    07              GLOB UNIF     WV 0 1
  709  LOAD Y  9051002   12.61   26  12.61    23              GLOB UNIF     WV 0 1
  710  LOAD Z  9051002   12.61   06  12.61    05              GLOB UNIF     WV 0 1
  711  LOAD X  9051002   25.22   07  12.61                    GLOB UNIF     WV 0 1
  712  LOAD Y  9051002   25.22   23  12.61    02              GLOB UNIF     WV 0 1
  713  LOAD Z  9051002   25.22   05  12.61                    GLOB UNIF     WV 0 1
  714  LOAD X  9051005    0.00   09  12.61    09              GLOB UNIF     WV 0 1
  715  LOAD Y  9051005    0.00   13  12.61    12              GLOB UNIF     WV 0 1
  716  LOAD Z  9051005    0.00   15  12.61    15              GLOB UNIF     WV 0 1
  717  LOAD X  9051005   12.61   09  12.61    08              GLOB UNIF     WV 0 1
  718  LOAD Y  9051005   12.61   12  12.61    11              GLOB UNIF     WV 0 1
  719  LOAD Z  9051005   12.61   15  12.61    13              GLOB UNIF     WV 0 1
  720  LOAD X  9051005   25.23   08  12.61     1              GLOB UNIF     WV 0 1
  721  LOAD Y  9051005   25.23   11  12.61     1              GLOB UNIF     WV 0 1
  722  LOAD Z  9051005   25.23   13  12.61     1              GLOB UNIF     WV 0 1
  723  LOAD X  9061005    0.00   07  12.61    07              GLOB UNIF     WV 0 1
  724  LOAD Y  9061005    0.00   15  12.61    15              GLOB UNIF     WV 0 1
  725  LOAD Z  9061005    0.00-  17  12.61-   16              GLOB UNIF     WV 0 1
  726  LOAD X  9061005   12.61   07  12.61    06              GLOB UNIF     WV 0 1
  727  LOAD Y  9061005   12.61   15  12.61    13              GLOB UNIF     WV 0 1
  728  LOAD Z  9061005   12.61-  16  12.61-   14              GLOB UNIF     WV 0 1
  729  LOAD X  9061005   25.22   06  12.61     1              GLOB UNIF     WV 0 1
  730  LOAD Y  9061005   25.22   13  12.61     1              GLOB UNIF     WV 0 1
  731  LOAD Z  9061005   25.22-  14  12.61-    1              GLOB UNIF     WV 0 1
  732  LOAD X  9011004    0.00   21  12.61    20              GLOB UNIF     WV 0 1
  733  LOAD Y  9011004    0.00   20  12.61    19              GLOB UNIF     WV 0 1
  734  LOAD Z  9011004    0.00   09  12.61    08              GLOB UNIF     WV 0 1
  735  LOAD X  9011004   12.61   20  12.61    17              GLOB UNIF     WV 0 1
  736  LOAD Y  9011004   12.61   19  12.61    16              GLOB UNIF     WV 0 1
  737  LOAD Z  9011004   12.61   08  12.61    07              GLOB UNIF     WV 0 1
  738  LOAD X  9011004   25.23   17  12.61    02              GLOB UNIF     WV 0 1
  739  LOAD Y  9011004   25.23   16  12.61    02              GLOB UNIF     WV 0 1
  740  LOAD Z  9011004   25.23   07  12.61     1              GLOB UNIF     WV 0 1
  741  LOAD X  9061004    0.00   20  12.61    16              GLOB UNIF     WV 0 1
  742  LOAD Y  9051004    0.00   23  12.61    21              GLOB UNIF     WV 0 1
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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

743	LOAD Z	9061004	0.00-	07	12.61-	07	GLOB UNIF	WV 0 1
744	LOAD X	9061004	12.61	18	12.61	16	GLOB UNIF	WV 0 1
745	LOAD Y	9061004	12.61	21	12.61	19	GLOB UNIF	WV 0 1
746	LOAD Z	9061004	12.61-	07	12.61-	06	GLOB UNIF	WV 0 1
747	LOAD X	9061004	25.22	16	12.61	02	GLOB UNIF	WV 0 1
748	LOAD Y	9061004	25.22	19	12.61	02	GLOB UNIF	WV 0 1
749	LOAD Z	9061004	25.22-	06	12.61-	1	GLOB UNIF	WV 0 1
750	LOAD Y	10011002	0.00	03	15.15	03	GLOB UNIF	WV 0 1
751	LOAD Y	10011002	15.15	03	15.15	02	GLOB UNIF	WV 0 1
752	LOAD Y	10021003	0.00	02	10.10	1	GLOB UNIF	WV 0 1
753	LOAD Y	10021003	10.10	1	10.10	1	GLOB UNIF	WV 0 1
754	LOAD Y	10021003	20.21	1	10.10		GLOB UNIF	WV 0 1
755	LOAD X	10011004	0.00	03	10.10	03	GLOB UNIF	WV 0 1
756	LOAD Y	10011004	0.00	02	10.10	02	GLOB UNIF	WV 0 1
757	LOAD X	10011004	10.10	03	10.10	04	GLOB UNIF	WV 0 1
758	LOAD Y	10011004	10.10	02	10.10	02	GLOB UNIF	WV 0 1
759	LOAD X	10011004	20.21	04	10.10	04	GLOB UNIF	WV 0 1
760	LOAD Y	10011004	20.21	02	10.10	02	GLOB UNIF	WV 0 1
761	LOAD X	10041006	0.00	04	10.10	04	GLOB UNIF	WV 0 1
762	LOAD Y	10041006	0.00	02	10.10	02	GLOB UNIF	WV 0 1
763	LOAD X	10041006	10.10	04	10.10	05	GLOB UNIF	WV 0 1
764	LOAD Y	10041006	10.10	02	10.10	03	GLOB UNIF	WV 0 1
765	LOAD X	10041006	20.20	05	10.10	05	GLOB UNIF	WV 0 1
766	LOAD Y	10041006	20.20	03	10.10	03	GLOB UNIF	WV 0 1
767	LOAD X	10021005	0.00	1	30.31	02	GLOB UNIF	WV 0 1
768	LOAD Y	10021005	0.00	1	30.31	1	GLOB UNIF	WV 0 1
769	LOAD Y	10041005	0.00	02	15.15	02	GLOB UNIF	WV 0 1
770	LOAD Y	10041005	15.15	02	15.15	02	GLOB UNIF	WV 0 1
771	LOAD X	201 301	8.70	33	2.10	59	GLOB UNIF	WV 0 1
772	LOAD Y	201 301	8.70	58	2.10	102	GLOB UNIF	WV 0 1
773	LOAD X	201 301	10.80	59	2.10	84	GLOB UNIF	WV 0 1
774	LOAD Y	201 301	10.80	102	2.10	146	GLOB UNIF	WV 0 1
775	LOAD X	201 301	12.90	84	2.10	92	GLOB UNIF	WV 0 1
776	LOAD Y	201 301	12.90	146	2.10	159	GLOB UNIF	WV 0 1
777	LOAD X	203 303	7.21	29	2.60	51	GLOB UNIF	WV 0 1
778	LOAD Y	203 303	7.21	51	2.60	89	GLOB UNIF	WV 0 1
779	LOAD X	203 303	9.81	51	2.60	73	GLOB UNIF	WV 0 1
780	LOAD Y	203 303	9.81	89	2.60	127	GLOB UNIF	WV 0 1
781	LOAD X	203 303	12.40	73	2.60	85	GLOB UNIF	WV 0 1
782	LOAD Y	203 303	12.40	127	2.60	148	GLOB UNIF	WV 0 1
783	LOAD X	206 306	14.47		.53	62	GLOB UNIF	WV 0 1
784	LOAD Y	206 306	14.47		.53	108	GLOB UNIF	WV 0 1
785	LOAD X	301 401	0.00	92	14.25	112	GLOB UNIF	WV 0 1
786	LOAD Y	301 401	0.00	159	14.25	194	GLOB UNIF	WV 0 1
787	LOAD X	301 401	14.25	112	14.25	74	GLOB UNIF	WV 0 1
788	LOAD Y	301 401	14.25	194	14.25	127	GLOB UNIF	WV 0 1
789	LOAD X	303 403	0.00	85	9.50	111	GLOB UNIF	WV 0 1
790	LOAD Y	303 403	0.00	148	9.50	192	GLOB UNIF	WV 0 1
791	LOAD X	303 403	9.50	111	9.50	96	GLOB UNIF	WV 0 1
792	LOAD Y	303 403	9.50	192	9.50	170	GLOB UNIF	WV 0 1

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   793  LOAD X  303 403   19.00    98   9.50    68              GLOB UNIF    WV 0 1
   794  LOAD Y  303 403   19.00   170   9.50   118              GLOB UNIF    WV 0 1
   795  LOAD X  306 406    0.00    62  14.25   108              GLOB UNIF    WV 0 1
   796  LOAD Y  306 406    0.00   108  14.25   187              GLOB UNIF    WV 0 1
   797  LOAD X  306 406   14.25   106  14.25    75              GLOB UNIF    WV 0 1
   798  LOAD Y  306 406   14.25   187  14.25   129              GLOB UNIF    WV 0 1
   799  LOAD X  401 501    0.00   110   4.56   101              GLOB UNIF    WV 0 1
   800  LOAD Y  401 501    0.00   216   4.56   198              GLOB UNIF    WV 0 1
   801  LOAD Z  401 501    0.00-   02   4.56-   02              GLOB UNIF    WV 0 1
   802  LOAD X  403 503    0.00   113   4.56   103              GLOB UNIF    WV 0 1
   803  LOAD Y  403 503    0.00   188   4.56   171              GLOB UNIF    WV 0 1
   804  LOAD Z  403 503    0.00-   32   4.56-   29              GLOB UNIF    WV 0 1
   805  LOAD X  406 506    0.00   128   4.56   118              GLOB UNIF    WV 0 1
   806  LOAD Y  406 506    0.00   207   4.56   189              GLOB UNIF    WV 0 1
   807  LOAD Z  406 506    0.00    34   4.56    32              GLOB UNIF    WV 0 1
   808  LOAD X  501 601    0.00   101   3.04    94              GLOB UNIF    WV 0 1
   809  LOAD Y  501 601    0.00   198   3.04   186              GLOB UNIF    WV 0 1
   810  LOAD Z  501 601    0.00-   02   3.04-   02              GLOB UNIF    WV 0 1
   811  LOAD X  501 601    3.04    94   3.04    88              GLOB UNIF    WV 0 1
   812  LOAD Y  501 601    3.04   186   3.04   175              GLOB UNIF    WV 0 1
   813  LOAD Z  501 601    3.04-   02   3.04-   02              GLOB UNIF    WV 0 1
   814  LOAD X  503 603    0.00   103   3.04    97              GLOB UNIF    WV 0 1
   815  LOAD Y  503 603    0.00   170   3.04   159              GLOB UNIF    WV 0 1
   816  LOAD Z  503 603    0.00-   29   3.04-   27              GLOB UNIF    WV 0 1
   817  LOAD X  503 603    3.04    97   3.04    91              GLOB UNIF    WV 0 1
   818  LOAD Y  503 603    3.04   159   3.04   149              GLOB UNIF    WV 0 1
   819  LOAD Z  503 603    3.04-   27   3.04-   25              GLOB UNIF    WV 0 1
   820  LOAD X  506 606    0.00   118   3.04   111              GLOB UNIF    WV 0 1
   821  LOAD Y  506 606    0.00   190   3.04   178              GLOB UNIF    WV 0 1
   822  LOAD Z  506 606    0.00    31   3.04    29              GLOB UNIF    WV 0 1
   823  LOAD X  506 606    3.04   111   3.04   104              GLOB UNIF    WV 0 1
   824  LOAD Y  506 606    3.04   178   3.04   167              GLOB UNIF    WV 0 1
   825  LOAD Z  506 606    3.04    29   3.04    28              GLOB UNIF    WV 0 1
   826  LOAD X  601 641    0.00    88   3.04    83              GLOB UNIF    WV 0 1
   827  LOAD Y  601 641    0.00   175   3.04   166              GLOB UNIF    WV 0 1
   828  LOAD Z  601 641    0.00-   02   3.04-   02              GLOB UNIF    WV 0 1
   829  LOAD X  601 641    3.04    83   3.04    79              GLOB UNIF    WV 0 1
   830  LOAD Y  601 641    3.04   166   3.04   157              GLOB UNIF    WV 0 1
   831  LOAD Z  601 641    3.04-   02   3.04-   02              GLOB UNIF    WV 0 1
   832  LOAD X  603 643    0.00    91   3.04    86              GLOB UNIF    WV 0 1
   833  LOAD Y  603 643    0.00   149   3.04   141              GLOB UNIF    WV 0 1
   834  LOAD Z  603 643    0.00-   26   3.04-   24              GLOB UNIF    WV 0 1
   835  LOAD X  603 643    3.04    86   3.04    81              GLOB UNIF    WV 0 1
   836  LOAD Y  603 643    3.04   141   3.04   132              GLOB UNIF    WV 0 1
   837  LOAD Z  603 643    3.04-   24   3.04-   23              GLOB UNIF    WV 0 1
   838  LOAD X  606 646    0.00   104   3.04    99              GLOB UNIF    WV 0 1
   839  LOAD Y  606 646    0.00   167   3.04   159              GLOB UNIF    WV 0 1
   840  LOAD Z  606 646    0.00    28   3.04    27              GLOB UNIF    WV 0 1
   841  LOAD X  606 646    3.04    99   3.04    94              GLOB UNIF    WV 0 1
   842  LOAD Y  606 646    3.04   159   3.04   150              GLOB UNIF    WV 0 1
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                          1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   643  LOAD Z  606 646    3.04     27   3.04     25              GLUB UNIF     WV 0 1
   644  LOAD X  641 651    0.00    113   3.04    106              GLUB UNIF     WV 0 1
   645  LOAD Y  641 651    0.00    236   3.04    225              GLUB UNIF     WV 0 1
   646  LOAD Z  641 651    0.00-    03   3.04-    03              GLUB UNIF     WV 0 1
   647  LOAD X  641 651    3.04    106   3.04    101              GLUB UNIF     WV 0 1
   648  LOAD Y  641 651    3.04    225   3.04    214              GLUB UNIF     WV 0 1
   649  LOAD Z  641 651    3.04-    03   3.04-    03              GLUB UNIF     WV 0 1
   650  LOAD X  643 653    0.00    116   6.08    105              GLUB UNIF     WV 0 1
   651  LOAD Y  643 653    0.00    167   6.08    165              GLUB UNIF     WV 0 1
   652  LOAD Z  643 653    0.00-    33   6.08-    29              GLUB UNIF     WV 0 1
   653  LOAD X  646 656    0.00    146   6.08    134              GLUB UNIF     WV 0 1
   654  LOAD Y  646 656    0.00    233   6.08    210              GLUB UNIF     WV 0 1
   655  LOAD Z  646 656    0.00     39   6.08     35              GLUB UNIF     WV 0 1
   656  LOAD X  651 701    0.00    101   3.55     95              GLUB UNIF     WV 0 1
   657  LOAD Y  651 701    0.00    214   3.55    202              GLUB UNIF     WV 0 1
   658  LOAD Z  651 701    0.00-    03   3.55-    03              GLUB UNIF     WV 0 1
   659  LOAD X  651 701    3.55     95   3.55     89              GLUB UNIF     WV 0 1
   660  LOAD Y  651 701    3.55    202   3.55    189              GLUB UNIF     WV 0 1
   661  LOAD Z  651 701    3.55-    03   3.55-    03              GLUB UNIF     WV 0 1
   662  LOAD X  653 703    0.00    105   3.55     98              GLUB UNIF     WV 0 1
   663  LOAD Y  653 703    0.00    165   3.55    154              GLUB UNIF     WV 0 1
   664  LOAD Z  653 703    0.00-    29   3.55-    27              GLUB UNIF     WV 0 1
   665  LOAD X  653 703    3.55     98   3.55     92              GLUB UNIF     WV 0 1
   666  LOAD Y  653 703    3.55    154   3.55    144              GLUB UNIF     WV 0 1
   667  LOAD Z  653 703    3.55-    27   3.55-    25              GLUB UNIF     WV 0 1
   668  LOAD X  656 706    0.00    134   3.55    127              GLUB UNIF     WV 0 1
   669  LOAD Y  656 706    0.00    210   3.55    199              GLUB UNIF     WV 0 1
   670  LOAD Z  656 706    0.00     35   3.55     33              GLUB UNIF     WV 0 1
   671  LOAD X  656 706    3.55    127   3.55    120              GLUB UNIF     WV 0 1
   672  LOAD Y  656 706    3.55    199   3.55    187              GLUB UNIF     WV 0 1
   673  LOAD Z  656 706    3.55     33   3.55     31              GLUB UNIF     WV 0 1
   674  LOAD X  701 801    0.00     85   8.79     74              GLUB UNIF     WV 0 1
   675  LOAD Y  701 801    0.00    179   8.79    156              GLUB UNIF     WV 0 1
   676  LOAD Z  701 801    0.00-    03   8.79-    02              GLUB UNIF     WV 0 1
   677  LOAD X  701 801    8.79     74   8.79     66              GLUB UNIF     WV 0 1
   678  LOAD Y  701 801    8.79    156   8.79    138              GLUB UNIF     WV 0 1
   679  LOAD Z  701 801    8.79-    02   8.79-    02              GLUB UNIF     WV 0 1
   680  LOAD X  701 801   17.57     66   8.79     59              GLUB UNIF     WV 0 1
   681  LOAD Y  701 801   17.57    138   8.79    122              GLUB UNIF     WV 0 1
   682  LOAD Z  701 801   17.57-    02   8.79-    02              GLUB UNIF     WV 0 1
   683  LOAD X  703 803    0.00     88   8.79     75              GLUB UNIF     WV 0 1
   684  LOAD Y  703 803    0.00    139   8.79    118              GLUB UNIF     WV 0 1
   685  LOAD Z  703 803    0.00-    24   8.79-    21              GLUB UNIF     WV 0 1
   686  LOAD X  703 803    8.79     75   8.79     64              GLUB UNIF     WV 0 1
   687  LOAD Y  703 803    8.79    118   8.79    102              GLUB UNIF     WV 0 1
   688  LOAD Z  703 803    8.79-    21   8.79-    18              GLUB UNIF     WV 0 1
   689  LOAD X  703 803   17.57     64   8.79     55              GLUB UNIF     WV 0 1
   690  LOAD Y  703 803   17.57    102   8.79     88              GLUB UNIF     WV 0 1
   691  LOAD Z  703 803   17.57-    18   8.79-    15              GLUB UNIF     WV 0 1
   692  LOAD X  706 805    0.00    112   8.79     99              GLUB UNIF     WV 0 1
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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
893	LOAD	Y	706 806	0.00	176	8.79	155	GLOB UNIF	WV	0 1
894	LOAD	Z	706 806	0.00	29	8.79	26	GLOB UNIF	WV	0 1
895	LOAD	X	706 806	8.79	99	8.79	88	GLOB UNIF	WV	0 1
896	LOAD	Y	706 806	8.79	155	8.79	139	GLOB UNIF	WV	0 1
897	LOAD	Z	706 806	8.79	26	8.79	23	GLOB UNIF	WV	0 1
898	LOAD	X	706 806	17.57	88	8.79	79	GLOB UNIF	WV	0 1
899	LOAD	Y	706 806	17.57	139	8.79	125	GLOB UNIF	WV	0 1
900	LOAD	Z	706 806	17.57	23	8.79	21	GLOB UNIF	WV	0 1
901	LOAD	X	801 901	0.00	59	9.12	53	GLOB UNIF	WV	0 1
902	LOAD	Y	801 901	0.00	122	9.12	109	GLOB UNIF	WV	0 1
903	LOAD	Z	801 901	0.00-	02	9.12-	1	GLOB UNIF	WV	0 1
904	LOAD	X	801 901	9.12	53	9.12	49	GLOB UNIF	WV	0 1
905	LOAD	Y	801 901	9.12	109	9.12	98	GLOB UNIF	WV	0 1
906	LOAD	Z	801 901	9.12-	1	9.12-	1	GLOB UNIF	WV	0 1
907	LOAD	X	801 901	18.25	49	9.12	46	GLOB UNIF	WV	0 1
908	LOAD	Y	801 901	18.25	98	9.12	90	GLOB UNIF	WV	0 1
909	LOAD	Z	801 901	18.25-	1	9.12-	1	GLOB UNIF	WV	0 1
910	LOAD	X	803 903	0.00	55	9.12	48	GLOB UNIF	WV	0 1
911	LOAD	Y	803 903	0.00	88	9.12	76	GLOB UNIF	WV	0 1
912	LOAD	Z	803 903	0.00-	15	9.12-	13	GLOB UNIF	WV	0 1
913	LOAD	X	803 903	9.12	46	9.12	41	GLOB UNIF	WV	0 1
914	LOAD	Y	803 903	9.12	76	9.12	67	GLOB UNIF	WV	0 1
915	LOAD	Z	803 903	9.12-	13	9.12-	12	GLOB UNIF	WV	0 1
916	LOAD	X	803 903	18.25	41	9.12	36	GLOB UNIF	WV	0 1
917	LOAD	Y	803 903	18.25	67	9.12	59	GLOB UNIF	WV	0 1
918	LOAD	Z	803 903	18.25-	12	9.12-	10	GLOB UNIF	WV	0 1
919	LOAD	X	806 906	0.00	79	9.12	72	GLOB UNIF	WV	0 1
920	LOAD	Y	806 906	0.00	125	9.12	114	GLOB UNIF	WV	0 1
921	LOAD	Z	806 906	0.00	21	9.12	19	GLOB UNIF	WV	0 1
922	LOAD	X	806 906	9.12	72	9.12	66	GLOB UNIF	WV	0 1
923	LOAD	Y	806 906	9.12	114	9.12	106	GLOB UNIF	WV	0 1
924	LOAD	Z	806 906	9.12	19	9.12	18	GLOB UNIF	WV	0 1
925	LOAD	X	806 906	18.25	66	9.12	61	GLOB UNIF	WV	0 1
926	LOAD	Y	806 906	18.25	106	9.12	99	GLOB UNIF	WV	0 1
927	LOAD	Z	806 906	18.25	18	9.12	17	GLOB UNIF	WV	0 1
928	LOAD	X	9011001	0.00	46	9.12	44	GLOB UNIF	WV	0 1
929	LOAD	Y	9011001	0.00	90	9.12	83	GLOB UNIF	WV	0 1
930	LOAD	Z	9011001	0.00-	1	9.12		GLOB UNIF	WV	0 1
931	LOAD	X	9011001	9.12	44	9.12	39	GLOB UNIF	WV	0 1
932	LOAD	Y	9011001	9.12	83	9.12	71	GLOB UNIF	WV	0 1
933	LOAD	X	9011001	18.25	39	9.12	09	GLOB UNIF	WV	0 1
934	LOAD	Y	9011001	18.25	71	9.12	15	GLOB UNIF	WV	0 1
935	LOAD	X	9031003	0.00	36	9.12	31	GLOB UNIF	WV	0 1
936	LOAD	Y	9031003	0.00	59	9.12	52	GLOB UNIF	WV	0 1
937	LOAD	Z	9031003	0.00-	10	9.12-	09	GLOB UNIF	WV	0 1-
938	LOAD	X	9031003	9.12	31	9.12	24	GLOB UNIF	WV	0 1
939	LOAD	Y	9031003	9.12	52	9.12	41	GLOB UNIF	WV	0 1
940	LOAD	Z	9031003	9.12-	09	9.12-	07	GLOB UNIF	WV	0 1
941	LOAD	X	9031003	18.25	24	6.79		GLOB UNIF	WV	0 1
942	LOAD	X	9031003	24.99		2.38-	06	GLOB UNIF	WV	0 1

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
  943  LOAD Y 9031003  16.25   41   6.07                     GLOB UNIF   WV 0 1
  944  LOAD Y 9031003  24.92         2.45-   15               GLOB UNIF   WV 0 1
  945  LOAD Z 9031003  16.25-  07   6.67                     GLOB UNIF   WV 0 1
  946  LOAD Z 9031003  24.92         2.45    02               GLOB UNIF   WV 0 1
  947  LOAD X 9061006   0.00   61   9.12    58               GLOB UNIF   WV 0 1
  948  LOAD Y 9061006   0.00   99   9.12    95               GLOB UNIF   WV 0 1
  949  LOAD Z 9061006   0.00   17   9.12    18               GLOB UNIF   WV 0 1
  950  LOAD X 9061006   9.12   55   9.12    52               GLOB UNIF   WV 0 1
  951  LOAD Y 9061006   9.12   95   9.12    87               GLOB UNIF   WV 0 1
  952  LOAD Z 9061006   9.12   16   9.12    14               GLOB UNIF   WV 0 1
  953  LOAD X 9061006  16.25   52   9.12    24               GLOB UNIF   WV 0 1
  954  LOAD Y 9061006  16.25   87   9.12    41               GLOB UNIF   WV 0 1
  955  LOAD Z 9061006  16.25   14   9.12    07               GLOB UNIF   WV 0 1
  956  LOADCN   2
  957  LOAD Y 401 510   0.00  135                            GLOB CONC   WN 0 2
  958  LOAD X 401 510                          0.00= 70240  GLOB MOMT   WN 0 2
  959  LOAD Y 403 511   0.00  135                            GLOB CONC   WN 0 2
  960  LOAD X 403 511                          0.00= 70240  GLOB MOMT   WN 0 2
  961  LOAD Y 405 512   0.00  135                            GLOB CONC   WN 0 2
  962  LOAD X 405 512                          0.00= 70240  GLOB MOMT   WN 0 2
  963  LOAD Y 401 510   0.00  326                            GLOB CONC   WN 0 2
  964  LOAD X 401 510                          0.00=189520  GLOB MOMT   WN 0 2
  965  LOAD Y 403 511   0.00  326                            GLOB CONC   WN 0 2
  966  LOAD X 403 511                          0.00=189520  GLOB MOMT   WN 0 2
  967  LOAD Y 405 512   0.00  326                            GLOB CONC   WN 0 2
  968  LOAD X 405 512                          0.00=189520  GLOB MOMT   WN 0 2
  969  LOAD X 201 303  14.02   34   6.21    34               GLOB UNIF   WV 0 2
  970  LOAD Y 201 303  14.02  138   6.21   190               GLOB UNIF   WV 0 2
  971  LOAD Z 201 303  14.02-  65   6.21-   66               GLOB UNIF   WV 0 2
  972  LOAD X 201 303  20.23   34   6.21    35               GLOB UNIF   WV 0 2
  973  LOAD Y 201 303  20.23  190   6.21   241               GLOB UNIF   WV 0 2
  974  LOAD Z 201 303  20.23-  66   6.21-   67               GLOB UNIF   WV 0 2
  975  LOAD X 201 303  26.44   35   6.21    35               GLOB UNIF   WV 0 2
  976  LOAD Y 201 303  26.44  241   6.21   275               GLOB UNIF   WV 0 2
  977  LOAD Z 201 303  26.44-  67   6.21-   67               GLOB UNIF   WV 0 2
  978  LOAD X 206 301  20.49   32   4.05    56               GLOB UNIF   WV 0 2
  979  LOAD Y 206 301  20.49   72   4.05   108               GLOB UNIF   WV 0 2
  980  LOAD Z 206 301  20.49-  90   4.05-  126               GLOB UNIF   WV 0 2
  981  LOAD X 206 301  24.54   56   4.05    72               GLOB UNIF   WV 0 2
  982  LOAD Y 206 301  24.54  108   4.05   135               GLOB UNIF   WV 0 2
  983  LOAD Z 206 301  24.54- 126   4.05-  153               GLOB UNIF   WV 0 2
  984  LOAD X 206 301  28.59   72   4.05    76               GLOB UNIF   WV 0 2
  985  LOAD Y 206 301  28.59  133   4.05   142               GLOB UNIF   WV 0 2
  986  LOAD Z 206 301  28.59- 153   4.05-  164               GLOB UNIF   WV 0 2
  987  LOAD X 301 403   0.00   13  13.55    13               GLOB UNIF   WV 0 2
  988  LOAD Y 301 403   0.00  152  13.55   190               GLOB UNIF   WV 0 2
  989  LOAD Z 301 403   0.00-  13  13.55-   13               GLOB UNIF   WV 0 2
  990  LOAD X 301 403  13.55   13  13.55    12               GLOB UNIF   WV 0 2
  991  LOAD Y 301 403  13.55  190  13.55   164               GLOB UNIF   WV 0 2
  992  LOAD Z 301 403  13.55-  13  13.55-   12               GLOB UNIF   WV 0 2
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  993  LOAD X  301 403   27.11     12  13.55     11                 GLOB UNIF     WV 0 2
  994  LOAD Y  301 403   27.11    164  13.55    114                 GLOB UNIF     WV 0 2
  995  LOAD Z  301 403   27.11-    12  13.55-    11                 GLOB UNIF     WV 0 2
  996  LOAD Y  301 303    0.00    132  29.00    132                 GLOB UNIF     WV 0 2
  997  LOAD Z  301 303    0.00-    20  29.00-    20                 GLOB UNIF     WV 0 2
  998  LOAD X  303 306    0.00-    57   9.67-    54                 GLOB UNIF     WV 0 2
  999  LOAD Y  303 306    0.00     33   9.67     31                 GLOB UNIF     WV 0 2
 1000  LOAD Z  303 306    0.00-    20   9.67-    13                 GLOB UNIF     WV 0 2
 1001  LOAD X  303 306    9.67-    54   9.67-    50                 GLOB UNIF     WV 0 2
 1002  LOAD Y  303 306    9.67     31   9.67     29                 GLOB UNIF     WV 0 2
 1003  LOAD Z  303 306    9.67-    13   9.67-    06                 GLOB UNIF     WV 0 2
 1004  LOAD X  303 306   19.33-    50   9.67                        GLOB UNIF     WV 0 2
 1005  LOAD Y  303 306   19.33     29   9.67                        GLOB UNIF     WV 0 2
 1006  LOAD Z  303 306   19.33-    06   9.67                        GLOB UNIF     WV 0 2
 1007  LOAD X  301 306    0.00     57   9.67     54                 GLOB UNIF     WV 0 2
 1008  LOAD Y  301 306    0.00     33   9.67     31                 GLOB UNIF     WV 0 2
 1009  LOAD Z  301 306    0.00-    20   9.67-    13                 GLOB UNIF     WV 0 2
 1010  LOAD X  301 306    9.67     54   9.67     50                 GLOB UNIF     WV 0 2
 1011  LOAD Y  301 306    9.67     31   9.67     29                 GLOB UNIF     WV 0 2
 1012  LOAD Z  301 306    9.67-    13   9.67-    06                 GLOB UNIF     WV 0 2
 1013  LOAD X  301 306   19.33     50   9.67                        GLOB UNIF     WV 0 2
 1014  LOAD Y  301 306   19.33     29   9.67                        GLOB UNIF     WV 0 2
 1015  LOAD Z  301 306   19.33-    06   9.67                        GLOB UNIF     WV 0 2
 1016  LOAD Y  501 502    0.00     70  15.15     70                 GLOB UNIF     WV 0 2
 1017  LOAD Z  501 502    0.00-    09  15.15-    09                 GLOB UNIF     WV 0 2
 1018  LOAD Y  502 503    0.00     70  15.15     70                 GLOB UNIF     WV 0 2
 1019  LOAD Z  502 503    0.00-    09  15.15-    09                 GLOB UNIF     WV 0 2
 1020  LOAD X  503 505    0.00-    30  15.15-    30                 GLOB UNIF     WV 0 2
 1021  LOAD Y  503 505    0.00     17  15.15     17                 GLOB UNIF     WV 0 2
 1022  LOAD Z  503 505    0.00-    09  15.15-    07                 GLOB UNIF     WV 0 2
 1023  LOAD X  505 506    0.00-    30  15.15-    29                 GLOB UNIF     WV 0 2
 1024  LOAD Y  505 506    0.00     17  15.15     17                 GLOB UNIF     WV 0 2
 1025  LOAD Z  505 506    0.00-    07  15.15-    03                 GLOB UNIF     WV 0 2
 1026  LOAD X  501 504    0.00     30  15.15     30                 GLOB UNIF     WV 0 2
 1027  LOAD Y  501 504    0.00     17  15.15     17                 GLOB UNIF     WV 0 2
 1028  LOAD Z  501 504    0.00-    09  15.15-    07                 GLOB UNIF     WV 0 2
 1029  LOA  X  504 506    0.00     30  15.15     29                 GLOB UNIF     WV 0 2
 1030  LOAD Y  504 506    0.00     17  15.15     17                 GLOB UNIF     WV 0 2
 1031  LOAD Z  504 506    0.00-    07  15.15-    03                 GLOB UNIF     WV 0 2
 1032  LOAD X  502 504    0.00-    24  15.15-    24                 GLOB UNIF     WV 0 2
 1033  LOAD Y  502 504    0.00     14  15.15     14                 GLOB UNIF     WV 0 2
 1034  LOAD Z  502 504    0.00-    06  15.15-    04                 GLOB UNIF     WV 0 2
 1035  LOAD X  502 505    0.00     24  15.15     24                 GLOB UNIF     WV 0 2
 1036  LOAD Y  502 505    0.00     14  15.15     14                 GLOB UNIF     WV 0 2
 1037  LOAD Z  502 505    0.00-    06  15.15-    04                 GLOB UNIF     WV 0 2
 1038  LOAD Y  504 505    0.00     55  15.14     55                 GLOB UNIF     WV 0 2
 1039  LOAD Z  504 505    0.00-    04  15.14-    04                 GLOB UNIF     WV 0 2
 1040  LOAD X  501 513    0.00     23   3.00     23                 GLOB UNIF     WV 0 2
 1041  LOAD Y  501 513    0.00     39   3.00     39                 GLOB UNIF     WV 0 2
 1042  LOAD Z  501 513    0.00-    05   3.00-    05                 GLOB UNIF     WV 0 2
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                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1043   LOAD X  503 514    0.00-    23   3.00-    23              GLOB UNIF    WV 0 2
  1044   LOAD Y  503 514    0.00     39   3.00     39              GLOB UNIF    WV 0 2
  1045   LOAD Z  503 514    0.00-    05   3.00-    05              GLOB UNIF    WV 0 2
  1046   LOAD Y  513 651    0.00    174   6.00    153              GLOB UNIF    WV 0 2
  1047   LOAD Y  513 651    6.00    153   6.00    137              GLOB UNIF    WV 0 2
  1048   LOAD Y  513 651   12.00    137   6.00    123              GLOB UNIF    WV 0 2
  1049   LOAD Y  514 653    0.00    174   6.00    153              GLOB UNIF    WV 0 2
  1050   LOAD Y  514 653    6.00    153   6.00    137              GLOB UNIF    WV 0 2
  1051   LOAD Y  514 653   12.00    137   6.00    123              GLOB UNIF    WV 0 2
  1052   LOAD Z  601 611    0.00-    06   6.00-    07              GLOB UNIF    WV 0 2
  1053   LOAD Z  603 613    0.00-    06   6.00-    07              GLOB UNIF    WV 0 2
  1054   LOAD Y  611 612    0.00     45  16.01     45              GLOB UNIF    WV 0 2
  1055   LOAD Z  611 612    0.00-    05  16.01-    05              GLOB UNIF    WV 0 2
  1056   LOAD Y  612 613    0.00     45  16.01     45              GLOB UNIF    WV 0 2
  1057   LOAD Z  612 613    0.00-    05  16.01-    05              GLOB UNIF    WV 0 2
  1058   LOAD Y  661 662    0.00     81  17.75     81              GLOB UNIF    WV 0 2
  1059   LOAD Z  661 662    0.00-    05  17.75-    05              GLOB UNIF    WV 0 2
  1060   LOAD Y  662 663    0.00     81  17.75     81              GLOB UNIF    WV 0 2
  1061   LOAD Z  662 663    0.00-    05  17.75-    05              GLOB UNIF    WV 0 2
  1062   LOAD X  611 661    0.00-    04   6.06-    04              GLOB UNIF    WV 0 2
  1063   LOAD Y  611 661    0.00    109   6.06     96              GLOB UNIF    WV 0 2
  1064   LOAD Z  611 661    0.00-     1   6.06-     1              GLOB UNIF    WV 0 2
  1065   LOAD X  611 661    6.06-    04   6.06-    04              GLOB UNIF    WV 0 2
  1066   LOAD Y  611 661    6.06     96   6.06     88              GLOB UNIF    WV 0 2
  1067   LOAD Z  611 661    6.06-     1   6.06                     GLOB UNIF    WV 0 2
  1068   LOAD Y  612 662    0.00     74   6.00     66              GLOB UNIF    WV 0 2
  1069   LOAD Y  612 662    6.00     66   6.00     59              GLOB UNIF    WV 0 2
  1070   LOAD X  613 663    0.00     04   6.06     04              GLOB UNIF    WV 0 2
  1071   LOAD Y  613 663    0.00    109   6.06     96              GLOB UNIF    WV 0 2
  1072   LOAD Z  613 663    0.00-     1   6.06-     1              GLOB UNIF    WV 0 2
  1073   LOAD X  613 663    6.06     04   6.06     04              GLOB UNIF    WV 0 2
  1074   LOAD Y  613 663    6.06     98   6.06     88              GLOB UNIF    WV 0 2
  1075   LOAD Z  613 663    6.06-     1   6.06                     GLOB UNIF    WV 0 2
  1076   LOAD X  501 642    0.00     03  10.12     03              GLOB UNIF    WV 0 2
  1077   LOAD Y  501 642    0.00     87  10.12     77              GLOB UNIF    WV 0 2
  1078   LOAD Z  501 642    0.00-    12  10.12-    11              GLOB UNIF    WV 0 2
  1079   LOAD X  501 642   10.12     03  10.12     03              GLOB UNIF    WV 0 2
  1080   LOAD Y  501 642   10.12     77  10.12     69              GLOB UNIF    WV 0 2
  1081   LOAD Z  501 642   10.12-    11  10.12-    10              GLOB UNIF    WV 0 2
  1082   LOAD X  503 645    0.00-    26   6.75-    23              GLOB UNIF    WV 0 2
  1083   LOAD Y  503 645    0.00     36   6.75     33              GLOB UNIF    WV 0 2
  1084   LOAD Z  503 645    0.00     28   6.75     26              GLOB UNIF    WV 0 2
  1085   LOAD X  503 645    6.75-    23   6.75-    22              GLOB UNIF    WV 0 2
  1086   LOAD Y  503 645    6.75     33   6.75     31              GLOB UNIF    WV 0 2
  1087   LOAD Z  503 645    6.75     26   6.75     25              GLOB UNIF    WV 0 2
  1088   LOAD X  503 645   13.50-    22   6.75-    20              GLOB UNIF    WV 0 2
  1089   LOAD Y  503 645   13.50     31   6.75     29              GLOB UNIF    WV 0 2
  1090   LOAD Z  503 645   13.50     25   6.75     23              GLOB UNIF    WV 0 2
  1091   LOAD X  506 644    0.00     24  10.12     21              GLOB UNIF    WV 0 2
  1092   LOAD Y  506 644    0.00     49  10.12     47              GLOB UNIF    WV 0 2
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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
1093	LOAD	Z	506	644	0.00-	36	10.12-	37	GLOB UNIF	WV 0 2
1094	LOAD	X	506	644	10.12	21	10.12	18	GLOB UNIF	WV 0 2
1095	LOAD	Y	506	644	10.12	47	10.12	43	GLOB UNIF	WV 0 2
1096	LOAD	Z	506	644	10.12-	37	10.12-	35	GLOB UNIF	WV 0 2
1097	LOAD	X	642	703	0.00	02	7.31	02	GLOB UNIF	WV 0 2
1098	LOAD	Y	642	703	0.00	104	7.31	96	GLOB UNIF	WV 0 2
1099	LOAD	Z	642	703	0.00-	11	7.31-	10	GLOB UNIF	WV 0 2
1100	LOAD	X	642	703	7.31	02	7.31	02	GLOB UNIF	WV 0 2
1101	LOAD	Y	642	703	7.31	96	7.31	89	GLOB UNIF	WV 0 2
1102	LOAD	Z	642	703	7.31-	10	7.31-	10	GLOB UNIF	WV 0 2
1103	LOAD	X	642	703	14.62	02	7.31	02	GLOB UNIF	WV 0 2
1104	LOAD	Y	642	703	14.62	89	7.31	82	GLOB UNIF	WV 0 2
1105	LOAD	Z	642	703	14.62-	10	7.31-	09	GLOB UNIF	WV 0 2
1106	LOAD	X	645	706	0.00-	29	7.31-	26	GLOB UNIF	WV 0 2
1107	LOAD	Y	645	706	0.00	46	7.31	42	GLOB UNIF	WV 0 2
1108	LOAD	Z	645	705	0.00	38	7.31	36	GLOB UNIF	WV 0 2
1109	LOAD	X	645	706	7.31-	26	7.31-	24	GLOB UNIF	WV 0 2
1110	LOAD	Y	645	706	7.31	42	7.31	39	GLOB UNIF	WV 0 2
1111	LOAD	Z	645	705	7.31	36	7.31	33	GLOB UNIF	WV 0 2
1112	LOAD	X	645	706	14.62-	24	7.31-	21	GLOB UNIF	WV 0 2
1113	LOAD	Y	645	705	14.62	39	7.31	36	GLOB UNIF	WV 0 2
1114	LOAD	Z	645	706	14.62	33	7.31	31	GLOB UNIF	WV 0 2
1115	LOAD	X	644	701	0.00	28	10.97	25	GLOB UNIF	WV 0 2
1116	LOAD	Y	644	701	0.00	61	10.97	55	GLOB UNIF	WV 0 2
1117	LOAD	Z	644	701	0.00-	48	10.97-	44	GLOB UNIF	WV 0 2
1118	LOAD	X	644	701	10.97	25	10.97	22	GLOB UNIF	WV 0 2
1119	LOAD	Y	644	701	10.97	55	10.97	49	GLOB UNIF	WV 0 2
1120	LOAD	Z	644	701	10.97-	44	10.97-	39	GLOB UNIF	WV 0 2
1121	LOAD	Y	701	702	0.00	55	18.76	55	GLOB UNIF	WV 0 2
1122	LOAD	Z	701	702	0.00-	03	18.76-	03	GLOB UNIF	WV 0 2
1123	LOAD	Y	702	703	0.00	55	18.76	55	GLOB UNIF	WV 0 2
1124	LOAD	Z	702	703	0.00-	03	18.76-	03	GLOB UNIF	WV 0 2
1125	LOAD	X	703	705	0.00-	24	18.76-	23	GLOB UNIF	WV 0 2
1126	LOAD	Y	703	705	0.00	14	18.76	14	GLOB UNIF	WV 0 2
1127	LOAD	Z	703	705	0.00-	03	18.76-	02	GLOB UNIF	WV 0 2
1128	LOAD	X	705	706	0.00-	23	18.75-	22	GLOB UNIF	WV 0 2
1129	LOAD	Y	705	706	0.00	14	18.75	13	GLOB UNIF	WV 0 2
1130	LOAD	Z	705	706	0.00-	02	18.75		GLOB UNIF	WV 0 2
1131	LOAD	X	701	704	0.00	24	18.76	23	GLOB UNIF	WV 0 2
1132	LOAD	Y	701	704	0.00	14	18.76	14	GLOB UNIF	WV 0 2
1133	LOAD	Z	701	704	0.00-	03	18.76-	02	GLOB UNIF	WV 0 2
1134	LOAD	X	704	706	0.00	23	18.75	22	GLOB UNIF	WV 0 2
1135	LOAD	Y	704	706	0.00	14	18.75	13	GLOB UNIF	WV 0 2
1136	LOAD	Z	704	706	0.00-	02	18.75		GLOB UNIF	WV 0 2
1137	LOAD	X	702	704	0.00-	21	18.76-	21	GLOB UNIF	WV 0 2
1138	LOAD	Y	702	704	0.00	12	18.76	12	GLOB UNIF	WV 0 2
1139	LOAD	Z	702	704	0.00-	08	18.76-	07	GLOB UNIF	WV 0 2
1140	LOAD	X	702	705	0.00	21	18.76	21	GLOB UNIF	WV 0 2
1141	LOAD	Y	702	705	0.00	12	18.76	12	GLOB UNIF	WV 0 2
1142	LOAD	Z	702	705	0.00-	08	18.76-	07	GLOB UNIF	WV 0 2

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1143  LOAD Y  704 705    0.00     49  18.76     49              GLOB UNIF    WV 0 2
   1144  LOAD Z  704 705    0.00-    07  18.76-    07              GLOB UNIF    WV 0 2
   1145  LOAD X  701 806    0.00     26  16.27     23              GLOB UNIF    WV 0 2
   1146  LOAD Y  701 806    0.00     31  16.27     28              GLOB UNIF    WV 0 2
   1147  LOAD Z  701 806    0.00     26  16.27     23              GLOB UNIF    WV 0 2
   1148  LOAD X  701 806   16.27     23  16.27     19              GLOB UNIF    WV 0 2
   1149  LOAD Y  701 806   16.27     28  16.27     25              GLOB UNIF    WV 0 2
   1150  LOAD Z  701 806   16.27     23  16.27     21              GLOB UNIF    WV 0 2
   1151  LOAD X  701 806   32.55     19  16.27     16              GLOB UNIF    WV 0 2
   1152  LOAD Y  701 806   32.55     25  16.27     22              GLOB UNIF    WV 0 2
   1153  LOAD Z  701 806   32.55     21  16.27     19              GLOB UNIF    WV 0 2
   1154  LOAD X  703 801    0.00-    02  16.28-     1              GLOB UNIF    WV 0 2
   1155  LOAD Y  703 801    0.00     82  16.28     71              GLOB UNIF    WV 0 2
   1156  LOAD Z  703 801    0.00-    09  16.28-    08              GLOB UNIF    WV 0 2
   1157  LOAD X  703 801   16.28-     1  16.28-     1              GLOB UNIF    WV 0 2
   1158  LOAD Y  703 801   16.28     71  16.28     63              GLOB UNIF    WV 0 2
   1159  LOAD Z  703 801   16.28-    08  16.28-    07              GLOB UNIF    WV 0 2
   1160  LOAD X  703 801   32.55-     1  16.28-     1              GLOB UNIF    WV 0 2
   1161  LOAD Y  703 801   32.55     63  16.28     55              GLOB UNIF    WV 0 2
   1162  LOAD Z  703 801   32.55-    07  16.28-    06              GLOB UNIF    WV 0 2
   1163  LOAD X  706 803    0.00-    25  16.28-    22              GLOB UNIF    WV 0 2
   1164  LOAD Y  706 803    0.00     41  16.28     39              GLOB UNIF    WV 0 2
   1165  LOAD Z  706 803    0.00-    33  16.28-    33              GLOB UNIF    WV 0 2
   1166  LOAD X  706 803   16.28-    22  16.28-    19              GLOB UNIF    WV 0 2
   1167  LOAD Y  706 803   16.28     39  16.28     34              GLOB UNIF    WV 0 2
   1168  LOAD Z  706 803   16.28-    33  16.28-    29              GLOB UNIF    WV 0 2
   1169  LOAD X  706 803   32.55-    19  16.28-    16              GLOB UNIF    WV 0 2
   1170  LOAD Y  706 803   32.55     34  16.28     30              GLOB UNIF    WV 0 2
   1171  LOAD Z  706 803   32.55-    29  16.28-    25              GLOB UNIF    WV 0 2
   1172  LOAD Y  801 802    0.00     37  22.51     37              GLOB UNIF    WV 0 2
   1173  LOAD Z  801 802    0.00-    02  22.51-    02              GLOB UNIF    WV 0 2
   1174  LOAD Y  802 803    0.00     37  22.51     37              GLOB UNIF    WV 0 2
   1175  LOAD Z  802 803    0.00-    02  22.51-    02              GLOB UNIF    WV 0 2
   1176  LOAD X  803 805    0.00-    16  22.51-    16              GLOB UNIF    WV 0 2
   1177  LOAD Y  803 805    0.00     09  22.51     09              GLOB UNIF    WV 0 2
   1178  LOAD Z  803 805    0.00-    02  22.51-    02              GLOB UNIF    WV 0 2
   1179  LOAD X  805 806    0.00-    16  11.25-    15              GLOB UNIF    WV 0 2
   1180  LOAD Y  805 806    0.00     09  11.25     09              GLOB UNIF    WV 0 2
   1181  LOAD Z  805 806    0.00-    02  11.25-     1              GLOB UNIF    WV 0 2
   1182  LOAD X  805 806   11.25-    15  11.25-    15              GLOB UNIF    WV 0 2
   1183  LOAD Y  805 806   11.25     09  11.25     08              GLOB UNIF    WV 0 2
   1184  LOAD Z  805 806   11.25-     1  11.25                     GLOB UNIF    WV 0 2
   1185  LOAD X  801 804    0.00     16  22.51     16              GLOB UNIF    WV 0 2
   1186  LOAD Y  801 804    0.00     09  22.51     09              GLOB UNIF    WV 0 2
   1187  LOAD Z  801 804    0.00-    02  22.51-    02              GLOB UNIF    WV 0 2
   1188  LOAD X  804 806    0.00     16  11.25     15              GLOB UNIF    WV 0 2
   1189  LOAD Y  804 806    0.00     09  11.25     09              GLOB UNIF    WV 0 2
   1190  LOAD Z  804 806    0.00-    02  11.25-     1              GLOB UNIF    WV 0 2
   1191  LOAD X  804 806   11.25     15  11.25     15              GLOB UNIF    WV 0 2
   1192  LOAD Y  804 806   11.25     09  11.25     08              GLOB UNIF    WV 0 2
```

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
1193	LOAD	Z	804	806	11.25-	1	11.25		GLOB	UNIF	WV	0	2
1194	LOAD	X	802	804	0.00-	14	22.52-	14	GLOB	UNIF	WV	0	2
1195	LOAD	Y	802	804	0.00	08	22.52	08	GLOB	UNIF	WV	0	2
1196	LOAD	Z	802	804	0.00-	05	22.52-	04	GLOB	UNIF	WV	0	2
1197	LOAD	X	802	805	0.00	14	22.52	14	GLOB	UNIF	WV	0	2
1198	LOAD	Y	802	805	0.00	08	22.52	08	GLOB	UNIF	WV	0	2
1199	LOAD	Z	802	805	0.00-	05	22.52-	04	GLOB	UNIF	WV	0	2
1200	LOAD	Y	804	805	0.00	55	22.52	55	GLOB	UNIF	WV	0	2
1201	LOAD	Z	804	805	0.00-	04	22.52-	04	GLOB	UNIF	WV	0	2
1202	LOAD	X	801	903	0.00	1	18.64		GLOB	UNIF	WV	0	2
1203	LOAD	Y	801	903	0.00	55	18.64	49	GLOB	UNIF	WV	0	2
1204	LOAD	Z	801	903	0.00-	06	18.64-	05	GLOB	UNIF	WV	0	2
1205	LOAD	Y	801	903	18.64	49	18.64	44	GLOB	UNIF	WV	0	2
1206	LOAD	Z	801	903	18.64-	05	18.64-	04	GLOB	UNIF	WV	0	2
1207	LOAD	Y	801	903	37.28	44	18.64	40	GLOB	UNIF	WV	0	2
1208	LOAD	Z	801	903	37.28-	04	18.64-	05	GLOB	UNIF	WV	0	2
1209	LOAD	X	803	906	0.00-	19	18.64-	17	GLOB	UNIF	WV	0	2
1210	LOAD	Y	803	906	0.00	19	18.64	18	GLOB	UNIF	WV	0	2
1211	LOAD	Z	803	906	0.00	16	18.64	15	GLOB	UNIF	WV	0	2
1212	LOAD	X	803	906	18.64-	17	18.64-	15	GLOB	UNIF	WV	0	2
1213	LOAD	Y	803	906	18.64	18	18.64	17	GLOB	UNIF	WV	0	2
1214	LOAD	Z	803	906	18.64	15	18.64	14	GLOB	UNIF	WV	0	2
1215	LOAD	X	803	906	37.28-	15	18.64-	13	GLOB	UNIF	WV	0	2
1216	LOAD	Y	803	906	37.28	17	18.64	15	GLOB	UNIF	WV	0	2
1217	LOAD	Z	803	906	37.28	14	18.64	14	GLOB	UNIF	WV	0	2
1218	LOAD	X	806	901	0.00	18	18.64	17	GLOB	UNIF	WV	0	2
1219	LOAD	Y	806	901	0.00	26	18.64	25	GLOB	UNIF	WV	0	2
1220	LOAD	Z	806	901	0.00-	22	18.64-	21	GLOB	UNIF	WV	0	2
1221	LOAD	X	806	901	18.64	17	18.64	15	GLOB	UNIF	WV	0	2
1222	LOAD	Y	806	901	18.64	25	18.64	22	GLOB	UNIF	WV	0	2
1223	LOAD	Z	806	901	18.64-	21	18.64-	19	GLOB	UNIF	WV	0	2
1224	LOAD	X	806	901	37.28	15	18.64	13	GLOB	UNIF	WV	0	2
1225	LOAD	Y	806	901	37.28	22	18.64	20	GLOB	UNIF	WV	0	2
1226	LOAD	Z	806	901	37.28-	19	18.64-	17	GLOB	UNIF	WV	0	2
1227	LOAD	Y	901	902	0.00	30	26.41	30	GLOB	UNIF	WV	0	2
1228	LOAD	Z	901	902	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2
1229	LOAD	Y	902	903	0.00	30	26.41	30	GLOB	UNIF	WV	0	2
1230	LOA	Z	902	903	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2
1231	LOAD	X	903	905	0.00-	13	26.41-	13	GLOB	UNIF	WV	0	2
1232	LOAD	Y	903	905	0.00	07	26.41	07	GLOB	UNIF	WV	0	2
1233	LOAD	Z	903	905	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2
1234	LOAD	X	905	906	0.00-	13	26.41-	12	GLOB	UNIF	WV	0	2
1235	LOAD	Y	905	906	0.00	07	26.41	07	GLOB	UNIF	WV	0	2
1236	LOAD	Z	905	906	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2
1237	LOAD	X	901	904	0.00	13	26.41	13	GLOB	UNIF	WV	0	2
1238	LOAD	Y	901	904	0.00	07	26.41	07	GLOB	UNIF	WV	0	2
1239	LOAD	Z	901	904	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2
1240	LOAD	X	904	906	0.00	13	26.41	12	GLOB	UNIF	WV	0	2
1241	LOAD	Y	904	906	0.00	07	26.41	07	GLOB	UNIF	WV	0	2
1242	LOAD	Z	904	906	0.00-	1	26.41-	1	GLOB	UNIF	WV	0	2

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 1243  LOAD X  902 904    0.00-   10  26.41-   11            GLOB UNIF    WV 0 2
 1244  LOAD Y  902 904    0.00    06  26.41    06            GLOB UNIF    WV 0 2
 1245  LOAD Z  902 904    0.00-   02  26.41-   02            GLOB UNIF    WV 0 2
 1246  LOAD X  902 905    0.00    10  26.41    11            GLOB UNIF    WV 0 2
 1247  LOAD Y  902 905    0.00    06  26.41    06            GLOB UNIF    WV 0 2
 1248  LOAD Z  902 905    0.00-   02  26.41-   02            GLOB UNIF    WV 0 2
 1249  LOAD Y  904 905    0.00    25  26.40    25            GLOB UNIF    WV 0 2
 1250  LOAD Z  904 905    0.00-   02  26.40-   02            GLOB UNIF    WV 0 2
 1251  LOAD X  9011002    0.00        12.61-    1            GLOB UNIF    WV 0 2
 1252  LOAD Y  9011002    0.00    33  12.61    31            GLOB UNIF    WV 0 2
 1253  LOAD Z  9011002    0.00-   02  12.61-   02            GLOB UNIF    WV 0 2
 1254  LOAD X  9011002   12.61-    1  12.61-    1            GLOB UNIF    WV 0 2
 1255  LOAD Y  9011002   12.61    31  12.61    26            GLOB UNIF    WV 0 2
 1256  LOAD Z  9011002   12.61-   02  12.61-    1            GLOB UNIF    WV 0 2
 1257  LOAD X  9011002   25.22-    1  12.61                  GLOB UNIF    WV 0 2
 1258  LOAD Y  9011002   25.22    26  12.61    02            GLOB UNIF    WV 0 2
 1259  LOAD Z  9011002   25.22-    1  12.61                  GLOB UNIF    WV 0 2
 1260  LOAD X  9031002    0.00        12.61     1            GLOB UNIF    WV 0 2
 1261  LOAD Y  9031002    0.00    33  12.61    31            GLOB UNIF    WV 0 2
 1262  LOAD Z  9031002    0.00-   02  12.61-   02            GLOB UNIF    WV 0 2
 1263  LOAD X  9031002   12.61     1  12.61     1            GLOB UNIF    WV 0 2
 1264  LOAD Y  9031002   12.61    31  12.61    26            GLOB UNIF    WV 0 2
 1265  LOAD Z  9031002   12.61-   02  12.61-    1            GLOB UNIF    WV 0 2
 1266  LOAD X  9031002   25.22     1  12.61                  GLOB UNIF    WV 0 2
 1267  LOAD Y  9031002   25.22    26  12.61    02            GLOB UNIF    WV 0 2
 1268  LOAD Z  9031002   25.22-    1  12.61                  GLOB UNIF    WV 0 2
 1269  LOAD X  9031005    0.00-   07  12.61-   06            GLOB UNIF    WV 0 2
 1270  LOAD Y  9031005    0.00    19  12.61    18            GLOB UNIF    WV 0 2
 1271  LOAD Z  9031005    0.00    14  12.61    14            GLOB UNIF    WV 0 2
 1272  LOAD X  9031005   12.61-   06  12.61-   05            GLOB UNIF    WV 0 2
 1273  LOAD Y  9031005   12.61    16  12.61    16            GLOB UNIF    WV 0 2
 1274  LOAD Z  9031005   12.61    14  12.61    12            GLOB UNIF    WV 0 2
 1275  LOAD X  9031005   25.23-   05  12.61-    1            GLOB UNIF    WV 0 2
 1276  LOAD Y  9031005   25.23    16  12.61    02            GLOB UNIF    WV 0 2
 1277  LOAD Z  9031005   25.23    12  12.61     1            GLOB UNIF    WV 0 2
 1278  LOAD X  9061005    0.00-   07  12.61-   07            GLOB UNIF    WV 0 2
 1279  LOAD Y  9061005    0.00    22  12.61    21            GLOB UNIF    WV 0 2
 1280  LOAD Z  9061005    0.00-   13  12.61-   13            GLOB UNIF    WV 0 2
 1281  LOAD X  9061005   12.61-   07  12.61-   06            GLOB UNIF    WV 0 2
 1282  LOAD Y  9061005   12.61    21  12.61    18            GLOB UNIF    WV 0 2
 1283  LOAD Z  9061005   12.61-   13  12.61-   11            GLOB UNIF    WV 0 2
 1284  LOAD X  9061005   25.22-   06  12.61-    1            GLOB UNIF    WV 0 2
 1285  LOAD Y  9061005   25.22    18  12.61    02            GLOB UNIF    WV 0 2
 1286  LOAD Z  9061005   25.22-   11  12.61-    1            GLOB UNIF    WV 0 2
 1287  LOAD X  9011004    0.00    07  12.61    06            GLOB UNIF    WV 0 2
 1288  LOAD Y  9011004    0.00    19  12.61    18            GLOB UNIF    WV 0 2
 1289  LOAD Z  9011004    0.00    14  12.61    14            GLOB UNIF    WV 0 2
 1290  LOAD X  9011004   12.61    06  12.61    05            GLOB UNIF    WV 0 2
 1291  LOAD Y  9011004   12.61    18  12.61    16            GLOB UNIF    WV 0 2
 1292  LOAD Z  9011004   12.61    14  12.61    12            GLOB UNIF    WV 0 2
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

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  1294  LOAD Y  9011004   25.23     16  12.61     02                  GLOB UNIF    WV 0 2
  1295  LOAD Z  9011004   25.23     12  12.61      1                  GLOB UNIF    WV 0 2
  1296  LOAD X  9061004    0.00     07  12.61     07                  GLOB UNIF    WV 0 2
  1297  LOAD Y  9061004    0.00     22  12.61     21                  GLOB UNIF    WV 0 2
  1298  LOAD Z  9061004    0.00-    13  12.61-    13                  GLOB UNIF    WV 0 2
  1299  LOAD X  9061004   12.61     07  12.61     06                  GLOB UNIF    WV 0 2
  1300  LOAD Y  9061004   12.61     21  12.61     16                  GLOB UNIF    WV 0 2
  1301  LOAD Z  9061004   12.61-    15  12.61-    11                  GLOB UNIF    WV 0 2
  1302  LOAD X  9061004   25.22     06  12.61      1                  GLOB UNIF    WV 0 2
  1303  LOAD Y  9061004   25.22     16  12.61     02                  GLOB UNIF    WV 0 2
  1304  LOAD Z  9061004   25.22-    11  12.61-     1                  GLOB UNIF    WV 0 2
  1305  LOAD Y 10011002    0.00     02  30.31     02                  GLOB UNIF    WV 0 2
  1306  LOAD Y 10021003    0.00     02  30.31     02                  GLOB UNIF    WV 0 2
  1307  LOAD X 10031005    0.00-     1  10.10-     1                  GLOB UNIF    WV 0 2
  1308  LOAD Y 10031005    0.00         10.10      1                  GLOB UNIF    WV 0 2
  1309  LOAD X 10031005   10.10-     1  10.10-    02                  GLOB UNIF    WV 0 2
  1310  LOAD Y 10031005   10.10      1  10.10      1                  GLOB UNIF    WV 0 2
  1311  LOAD X 10031005   20.21-    02  10.10-    02                  GLOB UNIF    WV 0 2
  1312  LOAD Y 10031005   20.21      1  10.10      1                  GLOB UNIF    WV 0 2
  1313  LOAD X 10051006    0.00-    02  10.10-    02                  GLOB UNIF    WV 0 2
  1314  LOAD Y 10051006    0.00      1  10.10      1                  GLOB UNIF    WV 0 2
  1315  LOAD X 10051006   10.10-    02  10.10-    03                  GLOB UNIF    WV 0 2
  1316  LOAD Y 10051006   10.10      1  10.10     02                  GLOB UNIF    WV 0 2
  1317  LOAD X 10051006   20.20-    03  10.10-    03                  GLOB UNIF    WV 0 2
  1318  LOAD Y 10051006   20.20     02  10.10     02                  GLOB UNIF    WV 0 2
  1319  LOAD X 10011004    0.00      1  10.10      1                  GLOB UNIF    WV 0 2
  1320  LOAD Y 10011004    0.00         10.10      1                  GLOB UNIF    WV 0 2
  1321  LOAD X 10011004   10.10      1  10.10     02                  GLOB UNIF    WV 0 2
  1322  LOAD Y 10011004   10.10      1  10.10      1                  GLOB UNIF    WV 0 2
  1323  LOAD X 10011004   20.21     02  10.10     02                  GLOB UNIF    WV 0 2
  1324  LOAD Y 10011004   20.21      1  10.10      1                  GLOB UNIF    WV 0 2
  1325  LOAD X 10041006    0.00     02  10.10     02                  GLOB UNIF    WV 0 2
  1326  LOAD Y 10041006    0.00      1  10.10      1                  GLOB UNIF    WV 0 2
  1327  LOAD X 10041006   10.10     02  10.10     03                  GLOB UNIF    WV 0 2
  1328  LOAD Y 10041006   10.10      1  10.10     02                  GLOB UNIF    WV 0 2
  1329  LOAD X 10041006   20.20     03  10.10     03                  GLOB UNIF    WV 0 2
  1330  LOAD Y 10041006   20.20     02  10.10     02                  GLOB UNIF    WV 0 2
  1331  LOAD X 10021004    0.00-     1  15.15-     1                  GLOB UNIF    WV 0 2
  1332  LOAD X 10021004   15.15-     1  15.15-     1                  GLOB UNIF    WV 0 2
  1333  LOAD Y 10021004   15.15         15.15      1                  GLOB UNIF    WV 0 2
  1334  LOAD X 10021005    0.00      1  15.15      1                  GLOB UNIF    WV 0 2
  1335  LOAD X 10021005   15.15      1  15.15      1                  GLOB UNIF    WV 0 2
  1336  LOAD Y 10021005   15.15         15.15      1                  GLOB UNIF    WV 0 2
  1337  LOAD Y 10041005    0.00     03  30.30     03                  GLOB UNIF    WV 0 2
  1338  LOAD Y   201 301    6.44     95   2.05    131                  GLOB UNIF    WV 0 2
  1339  LOAD Y   201 301    9.29    131   2.05    167                  GLOB UNIF    WV 0 2
  1340  LOAD Y   201 301   12.15    167   2.05    190                  GLOB UNIF    WV 0 2
  1341  LOAD Y   203 303    6.44     95   2.05    131                  GLOB UNIF    WV 0 2
  1342  LOAD Y   203 303    9.29    131   2.05    167                  GLOB UNIF    WV 0 2
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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1343	LOAD	Y	203	303	12.15	167	2.65	190	GLOB UNIF	WV	0	2
1344	LOAD	Y	301	401	0.00	190	9.50	238	GLOB UNIF	WV	0	2
1345	LOAD	Y	301	401	9.50	238	9.50	206	GLOB UNIF	WV	0	2
1346	LOAD	Y	301	401	19.00	206	9.50	143	GLOB UNIF	WV	0	2
1347	LOAD	Y	303	403	0.00	190	9.50	238	GLOB UNIF	WV	0	2
1348	LOAD	Y	303	403	9.50	238	9.50	206	GLOB UNIF	WV	0	2
1349	LOAD	Y	303	403	19.00	206	9.50	143	GLOB UNIF	WV	0	2
1350	LOAD	Y	306	406	0.00		9.50	205	GLOB UNIF	WV	0	2
1351	LOAD	Y	306	406	9.50	205	9.50	210	GLOB UNIF	WV	0	2
1352	LOAD	Y	306	406	19.00	210	9.50	148	GLOB UNIF	WV	0	2
1353	LOAD	X	401	501	0.00-	09	4.56-	09	GLOB UNIF	WV	0	2
1354	LOAD	Y	401	501	0.00	234	4.56	214	GLOB UNIF	WV	0	2
1355	LOAD	Z	401	501	0.00-	21	4.56-	19	GLOB UNIF	WV	0	2
1356	LOAD	X	403	503	0.00	09	4.56	09	GLOB UNIF	WV	0	2
1357	LOAD	Y	403	503	0.00	234	4.56	214	GLOB UNIF	WV	0	2
1358	LOAD	Z	403	503	0.00-	21	4.56-	19	GLOB UNIF	WV	0	2
1359	LOAD	Y	406	506	0.00	240	4.56	220	GLOB UNIF	WV	0	2
1360	LOAD	Z	406	506	0.00	40	4.56	37	GLOB UNIF	WV	0	2
1361	LOAD	X	501	601	0.00-	09	3.04-	08	GLOB UNIF	WV	0	2
1362	LOAD	Y	501	601	0.00	214	3.04	200	GLOB UNIF	WV	0	2
1363	LOAD	Z	501	601	0.00-	19	3.04-	18	GLOB UNIF	WV	0	2
1364	LOAD	X	501	601	3.04-	08	3.04-	08	GLOB UNIF	WV	0	2
1365	LOAD	Y	501	601	3.04	200	3.04	188	GLOB UNIF	WV	0	2
1366	LOAD	Z	501	601	3.04-	18	3.04-	17	GLOB UNIF	WV	0	2
1367	LOAD	X	503	603	0.00	09	3.04	08	GLOB UNIF	WV	0	2
1368	LOAD	Y	503	603	0.00	214	3.04	200	GLOB UNIF	WV	0	2
1369	LOAD	Z	503	603	0.00-	19	3.04-	18	GLOB UNIF	WV	0	2
1370	LOAD	X	503	603	3.04	08	3.04	08	GLOB UNIF	WV	0	2
1371	LOAD	Y	503	603	3.04	200	3.04	188	GLOB UNIF	WV	0	2
1372	LOAD	Z	503	603	3.04-	18	3.04-	17	GLOB UNIF	WV	0	2
1373	LOAD	Y	506	606	0.00	220	3.04	207	GLOB UNIF	WV	0	2
1374	LOAD	Z	506	606	0.00	36	3.04	34	GLOB UNIF	WV	0	2
1375	LOAD	Y	506	606	3.04	207	3.04	195	GLOB UNIF	WV	0	2
1376	LOAD	Z	506	606	3.04	34	3.04	32	GLOB UNIF	WV	0	2
1377	LOAD	X	601	641	0.00-	08	3.04-	08	GLOB UNIF	WV	0	2
1378	LOAD	Y	601	641	0.00	188	3.04	178	GLOB UNIF	WV	0	2
1379	LOAD	Z	601	641	0.00-	17	3.04-	16	GLOB UNIF	WV	0	2
1380	LOAD	X	601	641	3.04-	08	3.04-	08	GLOB UNIF	WV	0	2
1381	LOAD	Y	601	641	3.04	176	3.04	168	GLOB UNIF	WV	0	2
1382	LOAD	Z	601	641	3.04-	16	3.04-	15	GLOB UNIF	WV	0	2
1383	LOAD	X	603	643	0.00	08	3.04	08	GLOB UNIF	WV	0	2
1384	LOAD	Y	603	643	0.00	188	3.04	178	GLOB UNIF	WV	0	2
1385	LOAD	Z	603	643	0.00-	17	3.04-	16	GLOB UNIF	WV	0	2
1386	LOAD	X	603	643	3.04	08	3.04	08	GLOB UNIF	WV	0	2
1387	LOAD	Y	603	643	3.04	176	3.04	166	GLOB UNIF	WV	0	2
1388	LOAD	Z	603	643	3.04-	16	3.04-	15	GLOB UNIF	WV	0	2
1389	LOAD	Y	606	646	0.00	195	6.08	175	GLOB UNIF	WV	0	2
1390	LOAD	Z	606	646	0.00	33	6.08	29	GLOB UNIF	WV	0	2
1391	LOAD	X	641	651	0.00-	17	3.04-	17	GLOB UNIF	WV	0	2
1392	LOAD	Y	641	651	0.00	245	3.04	231	GLOB UNIF	WV	0	2

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1393	LOAD	Z	641	651	0.00-	23	3.04-	22	GLOB UNIF	WV	0 2
1394	LOAD	X	641	651	3.04-	17	3.04-	16	GLOB UNIF	WV	0 2
1395	LOAD	Y	641	651	3.04	231	3.04	219	GLOB UNIF	WV	0 2
1396	LOAD	Z	641	651	3.04-	22	3.04-	20	GLOB UNIF	WV	0 2
1397	LOAD	X	643	653	0.00	17	3.04	17	GLOB UNIF	WV	0 2
1398	LOAD	Y	643	653	0.00	245	3.04	231	GLOB UNIF	WV	0 2
1399	LOAD	Z	643	653	0.00-	23	3.04-	22	GLOB UNIF	WV	0 2
1400	LOAD	X	643	653	3.04	17	3.04	16	GLOB UNIF	WV	0 2
1401	LOAD	Y	643	653	3.04	231	3.04	219	GLOB UNIF	WV	0 2
1402	LOAD	Z	643	653	3.04-	22	3.04-	20	GLOB UNIF	WV	0 2
1403	LOAD	Y	646	656	0.00	275	6.08	249	GLOB UNIF	WV	0 2
1404	LOAD	Z	646	656	0.00	46	6.08	41	GLOB UNIF	WV	0 2
1405	LOAD	X	651	701	0.00-	16	3.55-	15	GLOB UNIF	WV	0 2
1406	LOAD	Y	651	701	0.00	219	3.55	205	GLOB UNIF	WV	0 2
1407	LOAD	Z	651	701	0.00-	20	3.55-	19	GLOB UNIF	WV	0 2
1408	LOAD	X	651	701	3.55-	15	3.55-	14	GLOB UNIF	WV	0 2
1409	LOAD	Y	651	701	3.55	205	3.55	191	GLOB UNIF	WV	0 2
1410	LOAD	Z	651	701	3.55-	19	3.55-	18	GLOB UNIF	WV	0 2
1411	LOAD	X	653	703	0.00	16	3.55	15	GLOB UNIF	WV	0 2
1412	LOAD	Y	653	703	0.00	219	3.55	205	GLOB UNIF	WV	0 2
1413	LOAD	Z	653	703	0.00-	20	3.55-	19	GLOB UNIF	WV	0 2
1414	LOAD	X	653	703	3.55	15	3.55	14	GLOB UNIF	WV	0 2
1415	LOAD	Y	653	703	3.55	205	3.55	191	GLOB UNIF	WV	0 2
1416	LOAD	Z	653	703	3.55-	19	3.55-	18	GLOB UNIF	WV	0 2
1417	LOAD	Y	656	706	0.00	249	3.55	236	GLOB UNIF	WV	0 2
1418	LOAD	Z	656	706	0.00	42	3.55	39	GLOB UNIF	WV	0 2
1419	LOAD	Y	656	706	3.55	236	3.55	222	GLOB UNIF	WV	0 2
1420	LOAD	Z	656	706	3.55	39	3.55	37	GLOB UNIF	WV	0 2
1421	LOAD	X	701	801	0.00-	13	8.79-	11	GLOB UNIF	WV	0 2
1422	LOAD	Y	701	801	0.00	183	8.79	158	GLOB UNIF	WV	0 2
1423	LOAD	Z	701	801	0.00-	17	8.79-	15	GLOB UNIF	WV	0 2
1424	LOAD	X	701	801	8.79-	11	8.79-	09	GLOB UNIF	WV	0 2
1425	LOAD	Y	701	801	8.79	158	8.79	137	GLOB UNIF	WV	0 2
1426	LOAD	Z	701	801	8.79-	15	8.79-	13	GLOB UNIF	WV	0 2
1427	LOAD	X	701	801	17.57-	09	8.79-	08	GLOB UNIF	WV	0 2
1428	LOAD	Y	701	801	17.57	137	8.79	120	GLOB UNIF	WV	0 2
1429	LOAD	Z	701	801	17.57-	13	8.79-	11	GLOB UNIF	WV	0 2
1430	LOAD	X	703	803	0.00	13	8.79	11	GLOB UNIF	WV	0 2
1431	LOAD	Y	703	803	0.00	183	8.79	158	GLOB UNIF	WV	0 2
1432	LOAD	Z	703	803	0.00-	17	8.79-	15	GLOB UNIF	WV	0 2
1433	LOAD	X	703	803	8.79	11	8.79	09	GLOB UNIF	WV	0 2
1434	LOAD	Y	703	803	8.79	158	8.79	137	GLOB UNIF	WV	0 2
1435	LOAD	Z	703	803	8.79-	15	8.79-	13	GLOB UNIF	WV	0 2
1436	LOAD	X	703	803	17.57	09	8.79	08	GLOB UNIF	WV	0 2
1437	LOAD	Y	703	803	17.57	137	8.79	120	GLOB UNIF	WV	0 2
1438	LOAD	Z	703	803	17.57-	13	8.79-	11	GLOB UNIF	WV	0 2
1439	LOAD	Y	706	806	0.00	208	8.79	184	GLOB UNIF	WV	0 2
1440	LOAD	Z	706	806	0.00	35	8.79	31	GLOB UNIF	WV	0 2
1441	LOAD	Y	706	806	8.79	184	8.79	165	GLOB UNIF	WV	0 2
1442	LOAD	Z	706	806	8.79	31	8.79	27	GLOB UNIF	WV	0 2

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1493  LOAD Y  9061006   18.25    101  9.12     47              GLOB UNIF    WV 0 2
  1494  LOAD Z  9061006   18.25     17  9.12     08              GLOB UNIF    WV 0 2
  1495  LOADCN   3
  1496  LOAD X  401 510    0.00-    67                           GLOB CONC    WN 0 3
  1497  LOAD Y  401 510                           0.00- 35120   GLOB MOMT    WN 0 3
  1498  LOAD Y  401 510    0.00-   117                           GLOB CONC    WN 0 3
  1499  LOAD X  401 510                           0.00  60830   GLOB MOMT    WN 0 3
  1500  LOAD X  403 511    0.00-    67                           GLOB CONC    WN 0 3
  1501  LOAD Y  403 511                           0.00- 35120   GLOB MOMT    WN 0 3
  1502  LOAD Y  403 511    0.00-   117                           GLOB CONC    WN 0 3
  1503  LOAD X  403 511                           0.00  60830   GLOB MOMT    WN 0 3
  1504  LOAD X  406 512    0.00-    67                           GLOB CONC    WN 0 3
  1505  LOAD Y  406 512                           0.00- 35120   GLOB MOMT    WN 0 3
  1506  LOAD Y  406 512    0.00-   117                           GLOB CONC    WN 0 3
  1507  LOAD X  406 512                           0.00  60830   GLOB MOMT    WN 0 3
  1508  LOAD X  401 510    0.00-   163                           GLOB CONC    WN 0 3
  1509  LOAD Y  401 510                           0.00- 94760   GLOB MOMT    WN 0 3
  1510  LOAD Y  401 510    0.00-   282                           GLOB CONC    WN 0 3
  1511  LOAD X  401 510                           0.00 164129   GLOB MOMT    WN 0 3
  1512  LOAD X  403 511    0.00-   163                           GLOB CONC    WN 0 3
  1513  LOAD Y  403 511                           0.00- 94760   GLOB MOMT    WN 0 3
  1514  LOAD Y  403 511    0.00-   282                           GLOB CONC    WN 0 3
  1515  LOAD X  403 511                           0.00 164129   GLOB MOMT    WN 0 3
  1516  LOAD X  406 512    0.00-   163                           GLOB CONC    WN 0 3
  1517  LOAD Y  406 512                           0.00- 94760   GLOB MOMT    WN 0 3
  1518  LOAD Y  406 512    0.00-   282                           GLOB CONC    WN 0 3
  1519  LOAD X  406 512                           0.00 164129   GLOB MOMT    WN 0 3
  1520  LOAD X  201 303   21.65     06   3.01                    GLOB UNIF    WV 0 3
  1521  LOAD X  201 303   24.66           .66-     1             GLOB UNIF    WV 0 3
  1522  LOAD Y  201 303   21.65-   108   3.67-   168             GLOB UNIF    WV 0 3
  1523  LOAD Z  201 303   21.65-    13   3.02                    GLOB UNIF    WV 0 3
  1524  LOAD Z  201 303   24.66           .65     03             GLOB UNIF    WV 0 3
  1525  LOAD X  201 303   25.31-     1   3.67-    09             GLOB UNIF    WV 0 3
  1526  LOAD Y  201 303   25.31-   168   3.67-   226             GLOB UNIF    WV 0 3
  1527  LOAD Z  201 303   25.31     03   3.67     17             GLOB UNIF    WV 0 3
  1528  LOAD X  201 303   28.98-    09   3.67-    11             GLOB UNIF    WV 0 3
  1529  LOAD Y  201 303   28.98-   226   3.67-   238             GLOB UNIF    WV 0 3
  1530  LOAD Z  201 303   28.98     17   3.67     21             GLOB UNIF    WV 0 3
  1531  LOAD X  203 305   20.78-    38  11.67-    39             GLOB UNIF    WV 0 3
  1532  LOAD Y  203 306   20.78-    66  11.67-    68             GLOB UNIF    WV 0 3
  1533  LOAD Z  203 305   20.78-   148  11.67-   152             GLOB UNIF    WV 0 3
  1534  LOAD X  206 301   17.24-   120   5.13-   167             GLOB UNIF    WV 0 3
  1535  LOAD Y  206 301   17.24-    45   5.13-    81             GLOB UNIF    WV 0 3
  1536  LOAD Z  206 301   17.24-    40   5.13-    26             GLOB UNIF    WV 0 3
  1537  LOAD X  206 301   22.38-   167   5.13-   191             GLOB UNIF    WV 0 3
  1538  LOAD Y  206 301   22.38-    81   5.13-   101             GLOB UNIF    WV 0 3
  1539  LOAD Z  206 301   22.38-    26   5.13-    15             GLOB UNIF    WV 0 3
  1540  LOAD X  206 301   27.51-   191   5.13-   207             GLOB UNIF    WV 0 3
  1541  LOAD Y  206 301   27.51-   101   5.13-   117             GLOB UNIF    WV 0 3
  1542  LOAD Z  206 301   27.51-    15   5.13-    05             GLOB UNIF    WV 0 3
```

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
1443	LOAD	Y	705 805	17.57	165	6.79	149	GLOB UNIF	WV 0 2	
1444	LOAD	Z	706 806	17.57	27	6.79	25	GLOB UNIF	WV 0 2	
1445	LOAD	X	801 901	0.00-	06	9.12-	06	GLOB UNIF	WV 0 2	
1446	LOAD	Y	801 901	0.00	120	9.12	105	GLOB UNIF	WV 0 2	
1447	LOAD	Z	801 901	0.00-	11	9.12-	10	GLOB UNIF	WV 0 2	
1448	LOAD	X	801 901	9.12-	06	9.12-	05	GLOB UNIF	WV 0 2	
1449	LOAD	Y	801 901	9.12	105	9.12	94	GLOB UNIF	WV 0 2	
1450	LOAD	Z	801 901	9.12-	10	9.12-	08	GLOB UNIF	WV 0 2	
1451	LOAD	X	801 901	18.25-	05	9.12-	03	GLOB UNIF	WV 0 2	
1452	LOAD	Y	801 901	18.25	94	9.12	84	GLOB UNIF	WV 0 2	
1453	LOAD	Z	801 901	18.25-	08	9.12-	07	GLOB UNIF	WV 0 2	
1454	LOAD	X	803 903	0.00	08	9.12	06	GLOB UNIF	WV 0 2	
1455	LOAD	Y	803 903	0.00	120	9.12	105	GLOB UNIF	WV 0 2	
1456	LOAD	Z	803 903	0.00-	11	9.12-	10	GLOB UNIF	WV 0 2	
1457	LOAD	X	803 903	9.12	06	9.12	05	GLOB UNIF	WV 0 2	
1458	LOAD	Y	803 903	9.12	105	9.12	94	GLOB UNIF	WV 0 2	
1459	LOAD	Z	803 903	9.12-	10	9.12-	08	GLOB UNIF	WV 0 2	
1460	LOAD	X	803 903	18.25	05	9.12	03	GLOB UNIF	WV 0 2	
1461	LOAD	Y	803 903	18.25	94	9.12	84	GLOB UNIF	WV 0 2	
1462	LOAD	Z	803 903	18.25-	08	9.12-	07	GLOB UNIF	WV 0 2	
1463	LOAD	Y	805 905	0.00	149	9.12	136	GLOB UNIF	WV 0 2	
1464	LOAD	Z	805 905	0.00	25	9.12	23	GLOB UNIF	WV 0 2	
1465	LOAD	Y	806 906	9.12	136	9.12	126	GLOB UNIF	WV 0 2	
1466	LOAD	Z	806 906	9.12	23	9.12	21	GLOB UNIF	WV 0 2	
1467	LOAD	Y	806 906	18.25	126	9.12	118	GLOB UNIF	WV 0 2	
1468	LOAD	Z	806 906	18.25	21	9.12	20	GLOB UNIF	WV 0 2	
1469	LOAD	X	9011001	0.00-	03	9.12-	02	GLOB UNIF	WV 0 2	
1470	LOAD	Y	9011001	0.00	84	9.12	76	GLOB UNIF	WV 0 2	
1471	LOAD	Z	9011001	0.00-	07	9.12-	07	GLOB UNIF	WV 0 2	
1472	LOAD	X	9011001	9.12-	02	9.12-	1	GLOB UNIF	WV 0 2	
1473	LOAD	Y	9011001	9.12	76	9.12	63	GLOB UNIF	WV 0 2	
1474	LOAD	Z	9011001	9.12-	07	9.12-	05	GLOB UNIF	WV 0 2	
1475	LOAD	X	9011001	18.25-	1	9.12		GLOB UNIF	WV 0 2	
1476	LOAD	Y	9011001	18.25	63	8.74		GLOB UNIF	WV 0 2	
1477	LOAD	Y	9011001	26.98		.39-	03	GLOB UNIF	WV 0 2	
1478	LOAD	Z	9011001	18.25-	05	8.79		GLOB UNIF	WV 0 2	
1479	LOAD	X	9031003	0.00	03	9.12	02	GLOB UNIF	WV 0 2	
1480	LOAD	Y	9031003	0.00	84	9.12	76	GLOB UNIF	WV 0 2	
1481	LOAD	Z	9031003	0.00-	07	9.12-	07	GLOB UNIF	WV 0 2	
1482	LOAD	X	9031003	9.12	02	9.12	1	GLOB UNIF	WV 0 2	
1483	LOAD	Y	9031003	9.12	76	9.12	63	GLOB UNIF	WV 0 2	
1484	LOAD	Z	9031003	9.12-	07	9.12-	05	GLOB UNIF	WV 0 2	
1485	LOAD	X	9031003	18.25	1	9.12		GLOB UNIF	WV 0 2	
1486	LOAD	Y	9031003	18.25	63	8.74		GLOB UNIF	WV 0 2	
1487	LOAD	Y	9031003	26.98		.39-	03	GLOB UNIF	WV 0 2	
1488	LOAD	Z	9031003	18.25-	05	8.79		GLOB UNIF	WV 0 2	
1489	LOAD	Y	9061006	0.00	118	9.12	111	GLOB UNIF	WV 0 2	
1490	LOAD	Z	9061006	0.00	20	9.12	19	GLOB UNIF	WV 0 2	
1491	LOAD	Y	9061006	9.12	111	9.12	101	GLOB UNIF	WV 0 2	
1492	LOAD	Z	9061006	9.12	19	9.12	17	GLOB UNIF	WV 0 2	

LINE NO.												
1543	LOAD	X	301	403	0.00-	25	13.55-	35	GLOB	UNIF	WV	0 3
1544	LOAD	Y	301	403	0.00-	129	13.55-	159	GLOB	UNIF	WV	0 3
1545	LOAD	Z	301	403	0.00	25	13.55	36	GLOB	UNIF	WV	0 3
1546	LOAD	X	301	403	13.55-	35	13.55-	33	GLOB	UNIF	WV	0 3
1547	LOAD	Y	301	403	13.55-	159	13.55-	146	GLOB	UNIF	WV	0 3
1548	LOAD	Z	301	403	13.55	36	13.55	33	GLOB	UNIF	WV	0 3
1549	LOAD	X	301	403	27.11-	33	13.55-	21	GLOB	UNIF	WV	0 3
1550	LOAD	Y	301	403	27.11-	146	13.55-	102	GLOB	UNIF	WV	0 3
1551	LOAD	Z	301	403	27.11	33	13.55	22	GLOB	UNIF	WV	0 3
1552	LOAD	Y	301	303	0.00-	112	14.50-	106	GLOB	UNIF	WV	0 3
1553	LOAD	Z	301	303	0.00-	17	14.50-	11	GLOB	UNIF	WV	0 3
1554	LOAD	Y	301	303	14.50-	106	14.50-	100	GLOB	UNIF	WV	0 3
1555	LOAD	Z	301	303	14.50-	11	14.50-	05	GLOB	UNIF	WV	0 3
1556	LOAD	Z	303	306	0.00-	05	14.50-	17	GLOB	UNIF	WV	0 3
1557	LOAD	Z	303	306	14.50-	17	14.50-	24	GLOB	UNIF	WV	0 3
1558	LOAD	X	301	306	0.00-	97	29.00-	80	GLOB	UNIF	WV	0 3
1559	LOAD	Y	301	306	0.00-	56	29.00-	46	GLOB	UNIF	WV	0 3
1560	LOAD	Z	301	306	0.00-	17	29.00-	24	GLOB	UNIF	WV	0 3
1561	LOAD	Y	501	502	0.00-	60	15.15-	60	GLOB	UNIF	WV	0 3
1562	LOAD	Z	501	502	0.00-	08	15.15-	07	GLOB	UNIF	WV	0 3
1563	LOAD	Y	502	503	0.00-	60	15.15-	60	GLOB	UNIF	WV	0 3
1564	LOAD	Z	502	503	0.00-	07	15.15-	06	GLOB	UNIF	WV	0 3
1565	LOAD	Z	503	505	0.00-	06	15.15-	08	GLOB	UNIF	WV	0 3
1566	LOAD	Z	505	506	0.00-	08	15.15-	10	GLOB	UNIF	WV	0 3
1567	LOAD	X	501	504	0.00-	52	15.15-	51	GLOB	UNIF	WV	0 3
1568	LOAD	Y	501	504	0.00-	30	15.15-	30	GLOB	UNIF	WV	0 3
1569	LOAD	Z	501	504	0.00-	08	15.15-	09	GLOB	UNIF	WV	0 3
1570	LOAD	X	504	506	0.00-	51	15.15-	49	GLOB	UNIF	WV	0 3
1571	LOAD	Y	504	506	0.00-	30	15.15-	28	GLOB	UNIF	WV	0 3
1572	LOAD	Z	504	506	0.00-	09	15.15-	10	GLOB	UNIF	WV	0 3
1573	LOAD	Z	502	504	0.00-	04	15.15-	06	GLOB	UNIF	WV	0 3
1574	LOAD	X	502	505	0.00-	41	15.15-	41	GLOB	UNIF	WV	0 3
1575	LOAD	Y	502	505	0.00-	24	15.15-	24	GLOB	UNIF	WV	0 3
1576	LOAD	Z	502	505	0.00-	04	15.15-	05	GLOB	UNIF	WV	0 3
1577	LOAD	Y	504	505	0.00-	47	15.14-	48	GLOB	UNIF	WV	0 3
1578	LOAD	Z	504	505	0.00-	06	15.14-	05	GLOB	UNIF	WV	0 3
1579	LOAD	X	501	513	0.00-	26	3.00-	26	GLOB	UNIF	WV	0 3
1580	LOAD	Y	501	513	0.00-	45	3.00-	45	GLOB	UNIF	WV	0 3
1581	LOAD	Z	501	513	0.00-	05	3.00-	05	GLOB	UNIF	WV	0 3
1582	LOAD	X	503	514	0.00	13	3.00	13	GLOB	UNIF	WV	0 3
1583	LOAD	Y	503	514	0.00-	22	3.00-	22	GLOB	UNIF	WV	0 3
1584	LOAD	Z	503	514	0.00-	03	3.00-	02	GLOB	UNIF	WV	0 3
1585	LOAD	X	513	651	0.00-	89	6.00-	79	GLOB	UNIF	WV	0 3
1586	LOAD	Y	513	651	0.00-	155	6.00-	137	GLOB	UNIF	WV	0 3
1587	LOAD	X	513	651	6.00-	79	6.00-	71	GLOB	UNIF	WV	0 3
[illegible]	LOAD	Y	513	651	6.00-	137	6.00-	123	GLOB	UNIF	WV	0 3
[illegible]	LOAD	X	513	651	12.00-	71	6.00-	63	GLOB	UNIF	WV	0 3
[illegible]	LOAD	Y	513	651	12.00-	123	6.00-	110	GLOB	UNIF	WV	0 3
[illegible]	LOAD	X	514	653	0.00-	96	6.00-	85	GLOB	UNIF	WV	0 3
[illegible]	LOAD	Y	514	653	0.00-	166	6.00-	147	GLOB	UNIF	WV	0 3

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 4/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL

1.0 2.8 2.5 3.2 2.2 3.6 2.0 4.0 1.1 1.8 1.25 1.4 1.6

MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

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                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
 LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1593   LOAD X  514 653    6.00-    85    6.00-    77                GLOB UNIF    WV 0 3
   1594   LOAD Y  514 653    6.00-   147    6.00-   133                GLOB UNIF    WV 0 3
   1595   LOAD X  514 653   12.00-    77    6.00-    69                GLOB UNIF    WV 0 3
   1596   LOAD Y  514 653   12.00-   133    6.00-   119                GLOB UNIF    WV 0 3
   1597   LOAD X  601 611    0.00-    27    6.00-    27                GLOB UNIF    WV 0 3
   1598   LOAD Z  601 611    0.00-    06    6.00-    05                GLOB UNIF    WV 0 3
   1599   LOAD X  603 613    0.00-    27    6.00-    26                GLOB UNIF    WV 0 3
   1600   LOAD Z  603 613    0.00-    04    6.00-    03                GLOB UNIF    WV 0 3
   1601   LOAD Y  611 612    0.00-    40   16.01-    39                GLOB UNIF    WV 0 3
   1602   LOAD Z  611 612    0.00-    04   16.01-    03                GLOB UNIF    WV 0 3
   1603   LOAD Y  612 613    0.00-    39   16.01-    38                GLOB UNIF    WV 0 3
   1604   LOAD Z  612 613    0.00-    03   16.01-    02                GLOB UNIF    WV 0 3
   1605   LOAD Y  601 602    0.00-    71   17.75-    70                GLOB UNIF    WV 0 3
   1606   LOAD Z  601 602    0.00-    04   17.75-    03                GLOB UNIF    WV 0 3
   1607   LOAD Y  602 603    0.00-    70   17.75-    66                GLOB UNIF    WV 0 3
   1608   LOAD Z  602 603    0.00-    03   17.75-     1                GLOB UNIF    WV 0 3
   1609   LOAD X  611 601    0.00-    62    6.06-    56                GLOB UNIF    WV 0 3
   1610   LOAD Y  611 601    0.00-   103    6.06-    92                GLOB UNIF    WV 0 3
   1611   LOAD Z  611 601    0.00-    09    6.06-    08                GLOB UNIF    WV 0 3
   1612   LOAD X  611 601    6.06-    56    6.06-    50                GLOB UNIF    WV 0 3
   1613   LOAD Y  611 601    6.06-    92    6.06-    83                GLOB UNIF    WV 0 3
   1614   LOAD Z  611 601    6.06-    08    6.06-    07                GLOB UNIF    WV 0 3
   1615   LOAD X  612 602    0.00-    39    6.00-    35                GLOB UNIF    WV 0 3
   1616   LOAD Y  612 602    0.00-    68    6.00-    61                GLOB UNIF    WV 0 3
   1617   LOAD X  612 602    6.00-    35    6.00-    32                GLOB UNIF    WV 0 3
   1618   LOAD Y  612 602    6.00-    61    6.00-    55                GLOB UNIF    WV 0 3
   1619   LOAD X  613 603    0.00-    56    6.06-    51                GLOB UNIF    WV 0 3
   1620   LOAD Y  613 603    0.00-   105    6.06-    94                GLOB UNIF    WV 0 3
   1621   LOAD Z  613 603    0.00     08    6.06     07                GLOB UNIF    WV 0 3
   1622   LOAD X  613 603    6.06-    51    6.06-    46                GLOB UNIF    WV 0 3
   1623   LOAD Y  613 603    6.06-    94    6.06-    85                GLOB UNIF    WV 0 3
   1624   LOAD Z  613 603    6.06     07    6.06     07                GLOB UNIF    WV 0 3
   1625   LOAD X  501 642    0.00-    06    6.75-    06                GLOB UNIF    WV 0 3
   1626   LOAD Y  501 642    0.00-    73    6.75-    66                GLOB UNIF    WV 0 3
   1627   LOAD Z  501 642    0.00     14    6.75     13                GLOB UNIF    WV 0 3
   1628   LOAD X  501 642    6.75-    06    6.75-    05                GLOB UNIF    WV 0 3
   1629   LOAD Y  501 642    6.75-    68    6.75-    63                GLOB UNIF    WV 0 3
   1630   LOAD Z  501 642    6.75     13    6.75     13                GLOB UNIF    WV 0 3
   1631   LOAD X  501 642   13.50-    05    6.75-    05                GLOB UNIF    WV 0 3
   1632   LOAD Y  501 642   13.50-    63    6.75-    59                GLOB UNIF    WV 0 3
   1633   LOAD Z  501 642   13.50     13    6.75     12                GLOB UNIF    WV 0 3
   1634   LOAD X  503 645    0.00-    21   10.12-    19                GLOB UNIF    WV 0 3
   1635   LOAD Y  503 645    0.00-    30   10.12-    27                GLOB UNIF    WV 0 3
   1636   LOAD Z  503 645    0.00-    49   10.12-    44                GLOB UNIF    WV 0 3
   1637   LOAD X  503 645   10.12-    19   10.12-    17                GLOB UNIF    WV 0 3
   1638   LOAD Y  503 645   10.12-    27   10.12-    25                GLOB UNIF    WV 0 3
   1639   LOAD Z  503 645   10.12-    44   10.12-    41                GLOB UNIF    WV 0 3
   1640   LOAD X  506 644    0.00-    57   10.12-    52                GLOB UNIF    WV 0 3
   1641   LOAD Y  506 644    0.00-    44   10.12-    40                GLOB UNIF    WV 0 3
   1642   LOAD Z  506 644    0.00     07   10.12     07                GLOB UNIF    WV 0 3
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LINE NO.												
1643	LOAD	X	506	644	10.12-	52	10.12-	46	GLOB	UNIF	WV	0 3
1644	LOAD	Y	506	644	10.12-	40	10.12-	37	GLOB	UNIF	WV	0 3
1645	LOAD	Z	506	644	10.12	07	10.12	06	GLOB	UNIF	WV	0 3
1646	LOAD	X	642	703	0.00-	10	7.31-	09	GLOB	UNIF	WV	0 3
1647	LOAD	Y	642	703	0.00-	88	7.31-	81	GLOB	UNIF	WV	0 3
1648	LOAD	Z	642	703	0.00	21	7.31	19	GLOB	UNIF	WV	0 3
1649	LOAD	X	642	703	7.31-	09	7.31-	09	GLOB	UNIF	WV	0 3
1650	LOAD	Y	642	703	7.31-	81	7.31-	75	GLOB	UNIF	WV	0 3
1651	LOAD	Z	642	703	7.31	19	7.31	18	GLOB	UNIF	WV	0 3
1652	LOAD	X	642	703	14.62-	09	7.31-	08	GLOB	UNIF	WV	0 3
1653	LOAD	Y	642	703	14.62-	75	7.31-	69	GLOB	UNIF	WV	0 3
1654	LOAD	Z	642	703	14.62	18	7.31	17	GLOB	UNIF	WV	0 3
1655	LOAD	X	645	706	0.00-	24	7.31-	23	GLOB	UNIF	WV	0 3
1656	LOAD	Y	645	706	0.00-	35	7.31-	32	GLOB	UNIF	WV	0 3
1657	LOAD	Z	645	706	0.00-	57	7.31-	53	GLOB	UNIF	WV	0 3
1658	LOAD	X	645	706	7.31-	23	7.31-	20	GLOB	UNIF	WV	0 3
1659	LOAD	Y	645	706	7.31-	32	7.31-	29	GLOB	UNIF	WV	0 3
1660	LOAD	Z	645	706	7.31-	53	7.31-	48	GLOB	UNIF	WV	0 3
1661	LOAD	X	645	706	14.62-	20	7.31-	18	GLOB	UNIF	WV	0 3
1662	LOAD	Y	645	706	14.62-	29	7.31-	26	GLOB	UNIF	WV	0 3
1663	LOAD	Z	645	706	14.62-	48	7.31-	43	GLOB	UNIF	WV	0 3
1664	LOAD	X	644	701	0.00-	71	7.31-	66	GLOB	UNIF	WV	0 3
1665	LOAD	Y	644	701	0.00-	59	7.31-	55	GLOB	UNIF	WV	0 3
1666	LOAD	Z	644	701	0.00	14	7.31	13	GLOB	UNIF	WV	0 3
1667	LOAD	X	644	701	7.31-	66	7.31-	62	GLOB	UNIF	WV	0 3
1668	LOAD	Y	644	701	7.31-	55	7.31-	52	GLOB	UNIF	WV	0 3
1669	LOAD	Z	644	701	7.31	13	7.31	12	GLOB	UNIF	WV	0 3
1670	LOAD	X	644	701	14.62-	62	7.31-	57	GLOB	UNIF	WV	0 3
1671	LOAD	Y	644	701	14.62-	52	7.31-	48	GLOB	UNIF	WV	0 3
1672	LOAD	Z	644	701	14.62	12	7.31	11	GLOB	UNIF	WV	0 3
1673	LOAD	Y	701	702	0.00-	48	18.76-	47	GLOB	UNIF	WV	0 3
1674	LOAD	Z	701	702	0.00-	03	18.76-	02	GLOB	UNIF	WV	0 3
1675	LOAD	Y	702	703	0.00-	47	18.76-	46	GLOB	UNIF	WV	0 3
1676	LOAD	Z	702	703	0.00-	02	18.76-	1	GLOB	UNIF	WV	0 3
1677	LOAD	Z	703	705	0.00-	1	6.25-	02	GLOB	UNIF	WV	0 3
1678	LOAD	Z	703	705	6.25-	02	6.25-	02	GLOB	UNIF	WV	0 3
1679	LOAD	Z	703	705	12.51-	02	6.25-	03	GLOB	UNIF	WV	0 3
1680	LOAD	Z	705	706	0.00-	05	18.75-	04	GLOB	UNIF	WV	0 3
1681	LOAD	X	701	704	0.00-	41	18.76-	41	GLOB	UNIF	WV	0 3
1682	LOAD	Y	701	704	0.00-	24	18.76-	24	GLOB	UNIF	WV	0 3
1683	LOAD	Z	701	704	0.00-	05	18.76-	05	GLOB	UNIF	WV	0 3
1684	LOAD	X	704	706	0.00-	41	18.75-	39	GLOB	UNIF	WV	0 3
1685	LOAD	Y	704	706	0.00-	24	18.75-	23	GLOB	UNIF	WV	0 3
1686	LOAD	Z	704	706	0.00-	05	18.75-	04	GLOB	UNIF	WV	0 3
1687	LOAD	Z	702	704	0.00-	07	18.76-	06	GLOB	UNIF	WV	0 3
1688	LOAD	X	702	705	0.00-	36	18.76-	36	GLOB	UNIF	WV	0 3
1689	LOAD	Y	702	705	0.00-	21	18.76-	21	GLOB	UNIF	WV	0 3
1690	LOAD	Z	702	705	0.00-	07	18.75-	07	GLOB	UNIF	WV	0 3
1691	LOAD	Y	704	705	0.00-	40	18.76-	42	GLOB	UNIF	WV	0 3
1692	LOAD	Z	704	705	0.00-	08	18.76-	07	GLOB	UNIF	WV	0 3

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
1693	LOAD X	701 806	0.00-	54	16.27-	46		GLOB UNIF		WV 0 3
1694	LOAD Y	701 806	0.00-	47	16.27-	40		GLOB UNIF		WV 0 3
1695	LOAD Z	701 806	0.00-	27	16.27-	24		GLOB UNIF		WV 0 3
1696	LOAD X	701 806	16.27-	46	16.27-	39		GLOB UNIF		WV 0 3
1697	LOAD Y	701 806	16.27-	40	16.27-	34		GLOB UNIF		WV 0 3
1698	LOAD Z	701 806	16.27-	24	16.27-	20		GLOB UNIF		WV 0 3
1699	LOAD X	701 806	32.55-	39	16.27-	33		GLOB UNIF		WV 0 3
1700	LOAD Y	701 806	32.55-	34	16.27-	29		GLOB UNIF		WV 0 3
1701	LOAD Z	701 806	32.55-	20	16.27-	17		GLOB UNIF		WV 0 3
1702	LOAD X	703 801	0.00-	17	16.28-	16		GLOB UNIF		WV 0 3
1703	LOAD Y	703 801	0.00-	72	16.28-	64		GLOB UNIF		WV 0 3
1704	LOAD Z	703 801	0.00-	22	16.28-	20		GLOB UNIF		WV 0 3
1705	LOAD X	703 801	16.28-	16	16.28-	14		GLOB UNIF		WV 0 3
1706	LOAD Y	703 801	16.28-	64	16.28-	56		GLOB UNIF		WV 0 3
1707	LOAD Z	703 801	16.28-	20	16.28-	18		GLOB UNIF		WV 0 3
1708	LOAD X	703 801	32.55-	14	16.28-	13		GLOB UNIF		WV 0 3
1709	LOAD Y	703 801	32.55-	56	16.28-	50		GLOB UNIF		WV 0 3
1710	LOAD Z	703 801	32.55-	18	16.28-	16		GLOB UNIF		WV 0 3
1711	LOAD X	706 803	0.00-	06	16.28-	06		GLOB UNIF		WV 0 3
1712	LOAD Y	706 803	0.00-	16	16.28-	16		GLOB UNIF		WV 0 3
1713	LOAD Z	706 803	0.00	27	16.28	26		GLOB UNIF		WV 0 3
1714	LOAD X	706 803	16.28-	06	16.28-	05		GLOB UNIF		WV 0 3
1715	LOAD Y	706 803	16.28-	16	16.28-	14		GLOB UNIF		WV 0 3
1716	LOAD Z	706 803	16.28	26	16.28	24		GLOB UNIF		WV 0 3
1717	LOAD X	706 803	32.55-	05	16.28-	05		GLOB UNIF		WV 0 3
1718	LOAD Y	706 803	32.55-	14	16.28-	13		GLOB UNIF		WV 0 3
1719	LOAD Z	706 803	32.55	24	16.28	22		GLOB UNIF		WV 0 3
1720	LOAD Y	801 802	0.00-	32	22.51-	32		GLOB UNIF		WV 0 3
1721	LOAD Z	801 802	0.00-	02	22.51-	02		GLOB UNIF		WV 0 3
1722	LOAD Y	802 803	0.00-	32	22.51-	31		GLOB UNIF		WV 0 3
1723	LOAD Z	802 803	0.00-	02	22.51-	1		GLOB UNIF		WV 0 3
1724	LOAD Z	803 805	0.00-	1	11.26-	02		GLOB UNIF		WV 0 3
1725	LOAD Z	803 805	11.26-	02	11.26-	02		GLOB UNIF		WV 0 3
1726	LOAD Z	805 806	0.00-	02	22.51-	02		GLOB UNIF		WV 0 3
1727	LOAD X	801 804	0.00-	28	22.51-	28		GLOB UNIF		WV 0 3
1728	LOAD Y	801 804	0.00-	16	22.51-	16		GLOB UNIF		WV 0 3
1729	LOAD Z	801 804	0.00-	02	22.51-	02		GLOB UNIF		WV 0 3
1730	LOAD X	804 806	0.00-	28	22.51-	26		GLOB UNIF		WV 0 3
1731	LOAD Y	804 806	0.00-	16	22.51-	15		GLOB UNIF		WV 0 3
1732	LOAD Z	804 806	0.00-	02	22.51-	02		GLOB UNIF		WV 0 3
1733	LOAD Z	802 804	0.00-	04	22.52-	05		GLOB UNIF		WV 0 3
1734	LOAD X	802 805	0.00-	25	22.52-	25		GLOB UNIF		WV 0 3
1735	LOAD Y	802 805	0.00-	14	22.52-	14		GLOB UNIF		WV 0 3
1736	LOAD Z	802 805	0.00-	04	22.52-	05		GLOB UNIF		WV 0 3
1737	LOAD Y	804 805	0.00-	27	22.52-	26		GLOB UNIF		WV 0 3
1738	LOAD Z	804 805	0.00-	05	22.52-	05		GLOB UNIF		WV 0 3
1739	LOAD X	801 903	0.00-	02	16.64-	02		GLOB UNIF		WV 0 3
1740	LOAD Y	801 903	0.00-	48	16.64-	43		GLOB UNIF		WV 0 3
1741	LOAD Z	801 903	0.00	08	16.64	08		GLOB UNIF		WV 0 3
1742	LOAD X	801 903	16.64-	02	16.64-	02		GLOB UNIF		WV 0 3

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
1743	LOAD Y	801 903	18.64-	43	18.64-	39	GLOB UNIF	WV 0 3
1744	LOAD Z	801 903	18.64	08	18.64	08	GLOB UNIF	WV 0 3
1745	LOAD X	801 903	37.28-	02	18.64-	03	GLOB UNIF	WV 0 3
1746	LOAD Y	801 903	37.28-	39	18.64-	35	GLOB UNIF	WV 0 3
1747	LOAD Z	801 903	37.28	08	18.64	08	GLOB UNIF	WV 0 3
1748	LOAD X	803 905	0.00-	09	18.64-	08	GLOB UNIF	WV 0 3
1749	LOAD Y	803 905	0.00-	12	18.64-	11	GLOB UNIF	WV 0 3
1750	LOAD Z	803 905	0.00-	27	18.64-	25	GLOB UNIF	WV 0 3
1751	LOAD X	803 905	18.64-	08	18.64-	07	GLOB UNIF	WV 0 3
1752	LOAD Y	803 905	18.64-	11	18.64-	10	GLOB UNIF	WV 0 3
1753	LOAD Z	803 906	18.64-	25	18.64-	22	GLOB UNIF	WV 0 3
1754	LOAD X	803 905	37.28-	07	18.64-	06	GLOB UNIF	WV 0 3
1755	LOAD Y	803 905	37.28-	10	18.64-	08	GLOB UNIF	WV 0 3
1756	LOAD Z	805 905	37.28-	22	18.64-	18	GLOB UNIF	WV 0 3
1757	LOAD X	806 901	0.00-	37	18.64-	34	GLOB UNIF	WV 0 3
1758	LOAD Y	806 901	0.00-	27	18.64-	25	GLOB UNIF	WV 0 3
1759	LOAD Z	806 901	0.00	05	18.64	05	GLOB UNIF	WV 0 3
1760	LOAD X	806 901	18.64-	34	18.64-	32	GLOB UNIF	WV 0 3
1761	LOAD Y	806 901	18.64-	25	18.64-	24	GLOB UNIF	WV 0 3
1762	LOAD Z	806 901	18.64	05	18.64	05	GLOB UNIF	WV 0 3
1763	LOAD X	806 901	37.28-	32	18.64-	29	GLOB UNIF	WV 0 3
1764	LOAD Y	806 901	37.28-	24	18.64-	23	GLOB UNIF	WV 0 3
1765	LOAD Z	806 901	37.28	05	18.64	06	GLOB UNIF	WV 0 3
1766	LOAD Y	901 902	0.00-	26	26.41-	26	GLOB UNIF	WV 0 3
1767	LOAD Z	901 902	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1768	LOAD Y	902 903	0.00-	26	26.41-	25	GLOB UNIF	WV 0 3
1769	LOAD Z	902 903	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1770	LOAD Z	903 905	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1771	LOAD Z	905 906	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1772	LOAD X	901 904	0.00-	23	26.41-	22	GLOB UNIF	WV 0 3
1773	LOAD Y	901 904	0.00-	13	26.41-	13	GLOB UNIF	WV 0 3
1774	LOAD Z	901 904	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1775	LOAD X	904 905	0.00-	22	26.41-	21	GLOB UNIF	WV 0 3
1776	LOAD Y	904 906	0.00-	13	26.41-	12	GLOB UNIF	WV 0 3
1777	LOAD Z	904 906	0.00-	1	26.41-	1	GLOB UNIF	WV 0 3
1778	LOAD Z	902 904	0.00-	02	26.41-	02	GLOB UNIF	WV 0 3
1779	LOA X	902 905	0.00-	19	26.41-	18	GLOB UNIF	WV 0 3
1780	LOA Y	902 905	0.00-	11	26.41-	10	GLOB UNIF	WV 0 3
1781	LOAD Z	902 905	0.00-	02	26.41-	02	GLOB UNIF	WV 0 3
1782	LOAD Y	904 905	0.00-	20	26.40-	21	GLOB UNIF	WV 0 3
1783	LOAD Z	904 905	0.00-	02	26.40-	02	GLOB UNIF	WV 0 3
1784	LOAD X	9011002	0.00-	07	12.61-	06	GLOB UNIF	WV 0 3
1785	LOAD Y	9011002	0.00-	29	12.61-	26	GLOB UNIF	WV 0 3
1786	LOAD Z	9011002	0.00	09	12.61	08	GLOB UNIF	WV 0 3
1787	LOAD X	9011002	12.61-	06	12.61-	06	GLOB UNIF	WV 0 3
1788	LOAD Y	9011002	12.61-	26	12.61-	23	GLOB UNIF	WV 0 3
1789	LOAD Z	9011002	12.61	08	12.61	07	GLOB UNIF	WV 0 3
1790	LOAD X	9011002	25.22-	06	12.61-	1	GLOB UNIF	WV 0 3
1791	LOAD Y	9011002	25.22-	23	12.61-	03	GLOB UNIF	WV 0 3
1792	LOAD Z	9011002	25.22	07	12.61	1	GLOB UNIF	WV 0 3

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                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 1793  LOAD X  9031002    0.00-   10  12.61-   09              GLOB UNIF     WV 0 3
 1794  LOAD Y  9031002    0.00-   29  12.61-   27              GLOB UNIF     WV 0 3
 1795  LOAD Z  9031002    0.00-   06  12.61-   07              GLOB UNIF     WV 0 3
 1796  LOAD X  9031002   12.61-   09  12.61-   06              GLOB UNIF     WV 0 3
 1797  LOAD Y  9031002   12.61-   27  12.61-   24              GLOB UNIF     WV 0 3
 1798  LOAD Z  9031002   12.61-   07  12.61-   06              GLOB UNIF     WV 0 3
 1799  LOAD X  9031002   25.22-   08  12.61-   1               GLOB UNIF     WV 0 3
 1800  LOAD Y  9031002   25.22-   24  12.61-   03              GLOB UNIF     WV 0 3
 1801  LOAD Z  9031002   25.22-   06  12.61-   1               GLOB UNIF     WV 0 3
 1802  LOAD X  9031005    0.00-   10  12.61-   09              GLOB UNIF     WV 0 3
 1803  LOAD Y  9031005    0.00-   14  12.61-   14              GLOB UNIF     WV 0 3
 1804  LOAD Z  9031005    0.00-   17  12.61-   16              GLOB UNIF     WV 0 3
 1805  LOAD X  9031005   12.61-   09  12.61-   08              GLOB UNIF     WV 0 3
 1806  LOAD Y  9031005   12.61-   14  12.61-   12              GLOB UNIF     WV 0 3
 1807  LOAD Z  9031005   12.61-   16  12.61-   14              GLOB UNIF     WV 0 3
 1808  LOAD X  9031005   25.23-   08  12.61-   1               GLOB UNIF     WV 0 3
 1809  LOAD Y  9031005   25.23-   12  12.61-   1               GLOB UNIF     WV 0 3
 1810  LOAD Z  9031005   25.23-   14  12.61-   1               GLOB UNIF     WV 0 3
 1811  LOAD X  9061005    0.00-   06  12.61-   06              GLOB UNIF     WV 0 3
 1812  LOAD Y  9061005    0.00-   14  12.61-   13              GLOB UNIF     WV 0 3
 1813  LOAD Z  9061005    0.00    15  12.61    14              GLOB UNIF     WV 0 3
 1814  LOAD X  9061005   12.61-   06  12.61-   06              GLOB UNIF     WV 0 3
 1815  LOAD Y  9061005   12.61-   13  12.61-   12              GLOB UNIF     WV 0 3
 1816  LOAD Z  9061005   12.61    14  12.61    13              GLOB UNIF     WV 0 3
 1817  LOAD X  9061005   25.22-   06  12.61-   1               GLOB UNIF     WV 0 3
 1818  LOAD Y  9061005   25.22-   12  12.61-   1               GLOB UNIF     WV 0 3
 1819  LOAD Z  9061005   25.22    13  12.61    1               GLOB UNIF     WV 0 3
 1820  LOAD X  9011004    0.00-   21  12.61-   19              GLOB UNIF     WV 0 3
 1821  LOAD Y  9011004    0.00-   22  12.61-   20              GLOB UNIF     WV 0 3
 1822  LOAD Z  9011004    0.00-   10  12.61-   10              GLOB UNIF     WV 0 3
 1823  LOAD X  9011004   12.61-   19  12.61-   16              GLOB UNIF     WV 0 3
 1824  LOAD Y  9011004   12.61-   20  12.61-   16              GLOB UNIF     WV 0 3
 1825  LOAD Z  9011004   12.61-   10  12.61-   08              GLOB UNIF     WV 0 3
 1826  LOAD X  9011004   25.23-   16  12.61-   1               GLOB UNIF     WV 0 3
 1827  LOAD Y  9011004   25.23-   16  12.61-   1               GLOB UNIF     WV 0 3
 1828  LOAD Z  9011004   25.23-   08  12.61                    GLOB UNIF     WV 0 3
 1829  LOAD X  9061004    0.00-   20  12.61-   18              GLOB UNIF     WV 0 3
 1830  LOAD Y  9061004    0.00-   21  12.61-   20              GLOB UNIF     WV 0 3
 1831  LOAD Z  9061004    0.00    06  12.61    06              GLOB UNIF     WV 0 3
 1832  LOAD X  9061004   12.61-   18  12.61-   16              GLOB UNIF     WV 0 3
 1833  LOAD Y  9061004   12.61-   20  12.61-   17              GLOB UNIF     WV 0 3
 1834  LOAD Z  9061004   12.61    06  12.61    05              GLOB UNIF     WV 0 3
 1835  LOAD X  9061004   25.22-   16  12.61-   1               GLOB UNIF     WV 0 3
 1836  LOAD Y  9061004   25.22-   17  12.61-   1               GLOB UNIF     WV 0 3
 1837  LOAD Z  9061004   25.22    05  12.61                    GLOB UNIF     WV 0 3
 1838  LOAD Y 10011002    0.00-   03  10.10-   03              GLOB UNIF     WV 0 3
 1839  LOAD Y 10011002   10.10-   03  10.10-   04              GLOB UNIF     WV 0 3
 1840  LOAD Y 10011002   20.21-   04  10.10-   04              GLOB UNIF     WV 0 3
 1841  LOAD Y 10021003    0.00-   04  10.10-   05              GLOB UNIF     WV 0 3
 1842  LOAD Y 10021003   10.10-   05  10.10-   05              GLOB UNIF     WV 0 3
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
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LINE NO.											
1843	LOAD	Y	10021003	20.21-	05	10.10-	05	GLOB	UNIF	WV	0 3
1844	LOAD	X	10011004	0.00-	02	15.16-	02	GLOB	UNIF	WV	0 3
1845	LOAD	Y	10011004	0.00-	1	15.16-	1	GLOB	UNIF	WV	0 3
1846	LOAD	X	10011004	15.16-	02	15.16-	1	GLOB	UNIF	WV	0 3
1847	LOAD	Y	10011004	15.16-	1	15.16-	1	GLOB	UNIF	WV	0 3
1848	LOAD	X	10041006	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 3
1849	LOAD	Y	10041006	0.00-	1	10.10		GLOB	UNIF	WV	0 3
1850	LOAD	X	10041006	10.10-	1	10.10		GLOB	UNIF	WV	0 3
1851	LOAD	X	10021005	0.00-	02	10.10-	02	GLOB	UNIF	WV	0 3
1852	LOAD	Y	10021005	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 3
1853	LOAD	X	10021005	10.10-	02	10.10-	02	GLOB	UNIF	WV	0 3
1854	LOAD	Y	10021005	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 3
1855	LOAD	X	10021005	20.21-	02	10.10-	02	GLOB	UNIF	WV	0 3
1856	LOAD	Y	10021005	20.21-	1	10.10-	1	GLOB	UNIF	WV	0 3
1857	LOAD	Y	10041005	0.00-	1	30.30-	02	GLOB	UNIF	WV	0 3
1858	LOAD	X	201 301	7.35-	39	2.55-	61	GLOB	UNIF	WV	0 3
1859	LOAD	Y	201 301	7.35-	67	2.55-	105	GLOB	UNIF	WV	0 3
1860	LOAD	X	201 301	9.90-	61	2.55-	83	GLOB	UNIF	WV	0 3
1861	LOAD	Y	201 301	9.90-	105	2.55-	143	GLOB	UNIF	WV	0 3
1862	LOAD	X	201 301	12.45-	83	2.55-	94	GLOB	UNIF	WV	0 3
1863	LOAD	Y	201 301	12.45-	143	2.55-	162	GLOB	UNIF	WV	0 3
1864	LOAD	X	203 303	11.26-	49	1.25-	72	GLOB	UNIF	WV	0 3
1865	LOAD	Y	203 303	11.26-	85	1.25-	125	GLOB	UNIF	WV	0 3
1866	LOAD	X	203 303	12.51-	72	1.25-	84	GLOB	UNIF	WV	0 3
1867	LOAD	Y	203 303	12.51-	125	1.25-	145	GLOB	UNIF	WV	0 3
1868	LOAD	X	203 303	13.75-	84	1.25-	88	GLOB	UNIF	WV	0 3
1869	LOAD	Y	203 303	13.75-	145	1.25-	152	GLOB	UNIF	WV	0 3
1870	LOAD	X	206 306	8.56-	12	2.15-	38	GLOB	UNIF	WV	0 3
1871	LOAD	Y	206 306	8.56-	21	2.15-	66	GLOB	UNIF	WV	0 3
1872	LOAD	X	206 306	10.71-	38	2.15-	65	GLOB	UNIF	WV	0 3
1873	LOAD	Y	206 306	10.71-	66	2.15-	112	GLOB	UNIF	WV	0 3
1874	LOAD	X	206 306	12.85-	65	2.15-	74	GLOB	UNIF	WV	0 3
1875	LOAD	Y	206 306	12.85-	112	2.15-	128	GLOB	UNIF	WV	0 3
1876	LOAD	X	301 401	0.00-	94	9.50-	118	GLOB	UNIF	WV	0 3
1877	LOAD	Y	301 401	0.00-	162	9.50-	204	GLOB	UNIF	WV	0 3
1878	LOAD	X	301 401	9.50-	118	9.50-	104	GLOB	UNIF	WV	0 3
1879	LOAD	Y	301 401	9.50-	204	9.50-	180	GLOB	UNIF	WV	0 3
1880	LOAD	X	301 401	19.00-	104	9.50-	72	GLOB	UNIF	WV	0 3
1881	LOAD	Y	301 401	19.00-	180	9.50-	125	GLOB	UNIF	WV	0 3
1882	LOAD	X	303 403	0.00-	88	14.25-	112	GLOB	UNIF	WV	0 3
1883	LOAD	Y	303 403	0.00-	152	14.25-	195	GLOB	UNIF	WV	0 3
1884	LOAD	X	303 403	14.25-	112	14.25-	76	GLOB	UNIF	WV	0 3
1885	LOAD	Y	303 403	14.25-	195	14.25-	131	GLOB	UNIF	WV	0 3
1886	LOAD	X	306 406	0.00-	74	9.50-	102	GLOB	UNIF	WV	0 3
1887	LOAD	Y	306 406	0.00-	128	9.50-	176	GLOB	UNIF	WV	0 3
1888	LOAD	X	306 406	9.50-	102	9.50-	94	GLOB	UNIF	WV	0 3
1889	LOAD	Y	306 406	9.50-	176	9.50-	163	GLOB	UNIF	WV	0 3
1890	LOAD	X	306 406	19.00-	94	9.50-	64	GLOB	UNIF	WV	0 3
1891	LOAD	Y	306 406	19.00-	163	9.50-	112	GLOB	UNIF	WV	0 3
1892	LOAD	X	401 501	0.00-	128	4.56-	118	GLOB	UNIF	WV	0 3

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1893	LOAD	Y	401	501	0.00-	196	4.56-	179	GLOB UNIF	WV 0 3
1894	LOAD	Z	401	501	0.00-	02	4.56-	02	GLOB UNIF	WV 0 3
1895	LOAD	X	403	503	0.00-	114	4.56-	104	GLOB UNIF	WV 0 3
1896	LOAD	Y	403	503	0.00-	214	4.56-	197	GLOB UNIF	WV 0 3
1897	LOAD	Z	403	503	0.00	34	4.56	32	GLOB UNIF	WV 0 3
1898	LOAD	X	405	505	0.00-	98	4.56-	89	GLOB UNIF	WV 0 3
1899	LOAD	Y	405	505	0.00-	179	4.56-	163	GLOB UNIF	WV 0 3
1900	LOAD	Z	405	505	0.00-	30	4.56-	27	GLOB UNIF	WV 0 3
1901	LOAD	X	501	601	0.00-	118	3.04-	111	GLOB UNIF	WV 0 3
1902	LOAD	Y	501	601	0.00-	179	3.04-	168	GLOB UNIF	WV 0 3
1903	LOAD	Z	501	601	0.00-	02	3.04-	02	GLOB UNIF	WV 0 3
1904	LOAD	X	501	601	3.04-	111	3.04-	105	GLOB UNIF	WV 0 3
1905	LOAD	Y	501	601	3.04-	166	3.04-	156	GLOB UNIF	WV 0 3
1906	LOAD	Z	501	601	3.04-	02	3.04-	02	GLOB UNIF	WV 0 3
1907	LOAD	X	503	603	0.00-	104	3.04-	98	GLOB UNIF	WV 0 3
1908	LOAD	Y	503	603	0.00-	197	3.04-	185	GLOB UNIF	WV 0 3
1909	LOAD	Z	503	603	0.00	31	3.04	29	GLOB UNIF	WV 0 3
1910	LOAD	X	503	603	3.04-	98	3.04-	92	GLOB UNIF	WV 0 3
1911	LOAD	Y	503	603	3.04-	185	3.04-	174	GLOB UNIF	WV 0 3
1912	LOAD	Z	503	603	3.04	29	3.04	28	GLOB UNIF	WV 0 3
1913	LOAD	X	505	605	0.00-	89	3.04-	83	GLOB UNIF	WV 0 3
1914	LOAD	Y	505	605	0.00-	163	3.04-	152	GLOB UNIF	WV 0 3
1915	LOAD	Z	505	605	0.00-	27	3.04-	25	GLOB UNIF	WV 0 3
1916	LOAD	X	505	605	3.04-	83	3.04-	77	GLOB UNIF	WV 0 3
1917	LOAD	Y	505	605	3.04-	152	3.04-	142	GLOB UNIF	WV 0 3
1918	LOAD	Z	505	605	3.04-	25	3.04-	23	GLOB UNIF	WV 0 3
1919	LOAD	X	601	641	0.00-	105	3.04-	99	GLOB UNIF	WV 0 3
1920	LOAD	Y	601	641	0.00-	158	3.04-	150	GLOB UNIF	WV 0 3
1921	LOAD	Z	601	641	0.00-	02	3.04-	02	GLOB UNIF	WV 0 3
1922	LOAD	X	601	641	3.04-	99	3.04-	94	GLOB UNIF	WV 0 3
1923	LOAD	Y	601	641	3.04-	150	3.04-	141	GLOB UNIF	WV 0 3
1924	LOAD	Z	601	641	3.04-	02	3.04-	02	GLOB UNIF	WV 0 3
1925	LOAD	X	603	643	0.00-	92	3.04-	87	GLOB UNIF	WV 0 3
1926	LOAD	Y	603	643	0.00-	174	3.04-	165	GLOB UNIF	WV 0 3
1927	LOAD	Z	603	643	0.00	28	3.04	26	GLOB UNIF	WV 0 3
1928	LOAD	X	603	643	3.04-	87	3.04-	82	GLOB UNIF	WV 0 3
1929	LOAD	Y	603	643	3.04-	165	3.04-	156	GLOB UNIF	WV 0 3
1930	LOAD	Z	603	643	3.04	26	3.04	25	GLOB UNIF	WV 0 3
1931	LOAD	X	605	645	0.00-	77	6.08-	69	GLOB UNIF	WV 0 3
1932	LOAD	Y	605	645	0.00-	142	6.08-	127	GLOB UNIF	WV 0 3
1933	LOAD	Z	605	645	0.00-	24	6.08-	21	GLOB UNIF	WV 0 3
1934	LOAD	X	641	651	0.00-	144	3.04-	136	GLOB UNIF	WV 0 3
1935	LOAD	Y	641	651	0.00-	204	3.04-	192	GLOB UNIF	WV 0 3
1936	LOAD	Z	641	651	0.00-	04	3.04-	04	GLOB UNIF	WV 0 3
1937	LOAD	X	641	651	3.04-	136	3.04-	129	GLOB UNIF	WV 0 3
1938	LOAD	Y	641	651	3.04-	192	3.04-	183	GLOB UNIF	WV 0 3
1939	LOAD	Z	641	651	3.04-	04	3.04-	03	GLOB UNIF	WV 0 3
1940	LOAD	X	643	653	0.00-	124	6.08-	111	GLOB UNIF	WV 0 3
1941	LOAD	Y	643	653	0.00-	240	6.08-	217	GLOB UNIF	WV 0 3
1942	LOAD	Z	643	653	0.00	38	6.08	34	GLOB UNIF	WV 0 3

LINE NO.	1	1	2	2	3	3	4	6	7	8
1943	LOAD X	646 655	0.00-	92	6.08-	81	GLOB UNIF	WY	0	3
1944	LOAD Y	646 655	0.00-	176	6.08-	158	GLOB UNIF	WY	0	3
1945	LOAD Z	646 655	0.00-	30	6.08-	26	GLOB UNIF	WY	0	3
1946	LOAD X	651 701	0.00-	129	3.55-	122	GLOB UNIF	WY	0	3
1947	LOAD Y	651 701	0.00-	183	3.55-	172	GLOB UNIF	WY	0	3
1948	LOAD Z	651 701	0.00-	93	3.55-	93	GLOB UNIF	WY	0	3
1949	LOAD X	651 701	3.55-	122	3.55-	115	GLOB UNIF	WY	0	3
1950	LOAD Y	651 701	3.55-	172	3.55-	161	GLOB UNIF	WY	0	3
1951	LOAD Z	651 701	3.55-	93	3.55-	93	GLOB UNIF	WY	0	3
1952	LOAD X	653 703	0.00-	111	3.55-	105	GLOB UNIF	WY	0	3
1953	LOAD Y	653 703	0.00-	217	3.55-	205	GLOB UNIF	WY	0	3
1954	LOAD Z	653 703	0.00	34	3.55	32	GLOB UNIF	WY	0	3
1955	LOAD X	653 703	3.55-	105	3.55-	99	GLOB UNIF	WY	0	3
1956	LOAD Y	653 703	3.55-	205	3.55-	193	GLOB UNIF	WY	0	3
1957	LOAD Z	653 703	3.55	32	3.55	30	GLOB UNIF	WY	0	3
1958	LOAD X	656 706	0.00-	81	3.55-	76	GLOB UNIF	WY	0	3
1959	LOAD Y	656 706	0.00-	156	3.55-	147	GLOB UNIF	WY	0	3
1960	LOAD Z	656 706	0.00-	26	3.55-	25	GLOB UNIF	WY	0	3
1961	LOAD X	656 706	3.55-	76	3.55-	71	GLOB UNIF	WY	0	3
1962	LOAD Y	656 706	3.55-	147	3.55-	137	GLOB UNIF	WY	0	3
1963	LOAD Z	656 706	3.55-	25	3.55-	23	GLOB UNIF	WY	0	3
1964	LOAD X	701 801	0.00-	108	6.79-	94	GLOB UNIF	WY	0	3
1965	LOAD Y	701 801	0.00-	155	6.79-	135	GLOB UNIF	WY	0	3
1966	LOAD Z	701 801	0.00-	93	6.79-	82	GLOB UNIF	WY	0	3
1967	LOAD X	701 801	6.79-	94	6.79-	83	GLOB UNIF	WY	0	3
1968	LOAD Y	701 801	6.79-	135	6.79-	119	GLOB UNIF	WY	0	3
1969	LOAD Z	701 801	6.79-	82	6.79-	82	GLOB UNIF	WY	0	3
1970	LOAD X	701 801	17.57-	83	6.79-	73	GLOB UNIF	WY	0	3
1971	LOAD Y	701 801	17.57-	119	6.79-	106	GLOB UNIF	WY	0	3
1972	LOAD Z	701 801	17.57-	82	6.79-	82	GLOB UNIF	WY	0	3
1973	LOAD X	703 803	0.00-	94	6.79-	82	GLOB UNIF	WY	0	3
1974	LOAD Y	703 803	0.00-	181	6.79-	160	GLOB UNIF	WY	0	3
1975	LOAD Z	703 803	0.00	29	6.79	25	GLOB UNIF	WY	0	3
1976	LOAD X	703 803	6.79-	82	6.79-	74	GLOB UNIF	WY	0	3
1977	LOAD Y	703 803	6.79-	160	6.79-	142	GLOB UNIF	WY	0	3
1978	LOAD Z	703 803	6.79	25	6.79	22	GLOB UNIF	WY	0	3
1979	LOAD X	703 803	17.57-	74	6.79-	67	GLOB UNIF	WY	0	3
1980	LOAD Y	703 803	17.57-	142	6.79-	126	GLOB UNIF	WY	0	3
1981	LOAD Z	703 803	17.57	22	6.79	20	GLOB UNIF	WY	0	3
1982	LOAD X	706 806	0.00-	69	6.79-	59	GLOB UNIF	WY	0	3
1983	LOAD Y	706 806	0.00-	133	6.79-	115	GLOB UNIF	WY	0	3
1984	LOAD Z	706 806	0.00-	22	6.79-	19	GLOB UNIF	WY	0	3
1985	LOAD X	706 806	6.79-	59	6.79-	51	GLOB UNIF	WY	0	3
1986	LOAD Y	706 806	6.79-	115	6.79-	97	GLOB UNIF	WY	0	3
1987	LOAD Z	706 806	6.79-	19	6.79-	16	GLOB UNIF	WY	0	3
1988	LOAD X	706 806	17.57-	51	6.79-	44	GLOB UNIF	WY	0	3
1989	LOAD Y	706 806	17.57-	97	6.79-	84	GLOB UNIF	WY	0	3
1990	LOAD Z	706 806	17.57-	16	6.79-	14	GLOB UNIF	WY	0	3
1991	LOAD X	801 901	0.00-	73	9.12-	65	GLOB UNIF	WY	0	3
1992	LOAD Y	801 901	0.00-	146	9.12-	95	GLOB UNIF	WY	0	3

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                          1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1993   LOAD Z  801 901     0.00-    02   9.12-     1                GLOB UNIF     WV 0 3
   1994   LOAD X  801 901     9.12-    65   9.12-    58                GLOB UNIF     WV 0 3
   1995   LOAD Y  801 901     9.12-    95   9.12-    86                GLOB UNIF     WV 0 3
   1996   LOAD Z  801 901     9.12-     1   9.12-     1                GLOB UNIF     WV 0 3
   1997   LOAD X  801 901    18.25-    58   9.12-    52                GLOB UNIF     WV 0 3
   1998   LOAD Y  801 901    18.25-    86   9.12-    80                GLOB UNIF     WV 0 3
   1999   LOAD Z  801 901    18.25-     1   9.12-     1                GLOB UNIF     WV 0 3
   2000   LOAD X  803 903     0.00-    67   9.12-    61                GLOB UNIF     WV 0 3
   2001   LOAD Y  803 903     0.00-   128   9.12-   116                GLOB UNIF     WV 0 3
   2002   LOAD Z  803 903     0.00     20   9.12     18                GLOB UNIF     WV 0 3
   2003   LOAD X  803 903     9.12-    61   9.12-    57                GLOB UNIF     WV 0 3
   2004   LOAD Y  803 903     9.12-   116   9.12-   107                GLOB UNIF     WV 0 3
   2005   LOAD Z  803 903     9.12     18   9.12     17                GLOB UNIF     WV 0 3
   2006   LOAD X  803 903    18.25-    57   9.12-    54                GLOB UNIF     WV 0 3
   2007   LOAD Y  803 903    18.25-   107   9.12-   100                GLOB UNIF     WV 0 3
   2008   LOAD Z  803 903    18.25     17   9.12     16                GLOB UNIF     WV 0 3
   2009   LOAD X  806 906     0.00-    44   9.12-    36                GLOB UNIF     WV 0 3
   2010   LOAD Y  806 906     0.00-    84   9.12-    72                GLOB UNIF     WV 0 3
   2011   LOAD Z  806 906     0.00-    14   9.12-    12                GLOB UNIF     WV 0 3
   2012   LOAD X  806 906     9.12-    38   9.12-    33                GLOB UNIF     WV 0 3
   2013   LOAD Y  806 906     9.12-    72   9.12-    63                GLOB UNIF     WV 0 3
   2014   LOAD Z  806 906     9.12-    12   9.12-    10                GLOB UNIF     WV 0 3
   2015   LOAD X  806 906    18.25-    33   9.12-    29                GLOB UNIF     WV 0 3
   2016   LOAD Y  806 906    18.25-    63   9.12-    54                GLOB UNIF     WV 0 3
   2017   LOAD Z  806 906    18.25-    10   9.12-    09                GLOB UNIF     WV 0 3
   2018   LOAD X  9011001     0.00-    52   9.12-    47                GLOB UNIF     WV 0 3
   2019   LOAD Y  9011001     0.00-    80   9.12-    75                GLOB UNIF     WV 0 3
   2020   LOAD Z  9011001     0.00-     1   9.12-     1                GLOB UNIF     WV 0 3
   2021   LOAD X  9011001     9.12-    47   9.12-    40                GLOB UNIF     WV 0 3
   2022   LOAD Y  9011001     9.12-    75   9.12-    65                GLOB UNIF     WV 0 3
   2023   LOAD Z  9011001     9.12-     1   9.12                       GLOB UNIF     WV 0 3
   2024   LOAD X  9011001    18.25-    40   9.12-    06                GLOB UNIF     WV 0 3
   2025   LOAD Y  9011001    18.25-    65   9.12-    10                GLOB UNIF     WV 0 3
   2026   LOAD X  9031003     0.00-    54   9.12-    52                GLOB UNIF     WV 0 3
   2027   LOAD Y  9031003     0.00-   100   9.12-    95                GLOB UNIF     WV 0 3
   2028   LOAD Z  9031003     0.00     16   9.12     15                GLOB UNIF     WV 0 3
   2029   LOAD X  9031003     9.12-    52   9.12-    47                GLOB UNIF     WV 0 3
   2030   LOAD Y  9031003     9.12-    95   9.12-    86                GLOB UNIF     WV 0 3
   2031   LOAD Z  9031003     9.12     15   9.12     14                GLOB UNIF     WV 0 3
   2032   LOAD X  9031003    18.25-    47   9.12-    21                GLOB UNIF     WV 0 3
   2033   LOAD Y  9031003    18.25-    86   9.12-    36                GLOB UNIF     WV 0 3
   2034   LOAD Z  9031003    18.25     14   9.12     06                GLOB UNIF     WV 0 3
   2035   LOAD X  9061006     0.00-    29   9.12-    26                GLOB UNIF     WV 0 3
   2036   LOAD Y  9061006     0.00-    54   9.12-    47                GLOB UNIF     WV 0 3
   2037   LOAD Z  9061006     0.00-    09   9.12-    08                GLOB UNIF     WV 0 3
   2038   LOAD X  9061006     9.12-    26   9.12-    20                GLOB UNIF     WV 0 3
   2039   LOAD Y  9061006     9.12-    47   9.12-    35                GLOB UNIF     WV 0 3
   2040   LOAD Z  9061006     9.12-    06   9.12-    06                GLOB UNIF     WV 0 3
   2041   LOAD X  9061006    18.25-    20   5.77                       GLOB UNIF     WV 0 3
   2042   LOAD X  9061006    24.02          3.35     11                GLOB UNIF     WV 0 3
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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 2043  LOAD Y  9061006   16.25-    35   5.87                            GLOB UNIF    WV 0 3
 2044  LOAD Y  9061006   24.12          3.25      19                    GLOB UNIF    WV 0 3
 2045  LOAD Z  9061006   16.25-    06   5.88                            GLOB UNIF    WV 0 3
 2046  LOAD Z  9061006   24.13          3.24      03                    GLOB UNIF    WV 0 3
 2047  LOADCN    4
 2048  LOAD Y  401 510    0.00-   135                                   GLOB CONC    WN 0 4
 2049  LOAD X  401 510                                0.00   70240      GLOB MOMT    WN 0 4
 2050  LOAD Y  403 511    0.00-   135                                   GLOB CONC    WN 0 4
 2051  LOAD X  403 511                                0.00   70240      GLOB MOMT    WN 0 4
 2052  LOAD Y  406 512    0.00-   135                                   GLOB CONC    WN 0 4
 2053  LOAD X  406 512                                0.00   70240      GLOB MOMT    WN 0 4
 2054  LOAD Y  401 510    0.00-   326                                   GLOB CONC    WN 0 4
 2055  LOAD X  401 510                                0.00  189520      GLOB MOMT    WN 0 4
 2056  LOAD Y  403 511    0.00-   326                                   GLOB CONC    WN 0 4
 2057  LOAD X  403 511                                0.00  189520      GLOB MOMT    WN 0 4
 2058  LOAD Y  406 512    0.00-   326                                   GLOB CONC    WN 0 4
 2059  LOAD X  406 512                                0.00  189520      GLOB MOMT    WN 0 4
 2060  LOAD X  201 303   23.86     16   2.93      17                    GLOB UNIF    WV 0 4
 2061  LOAD Y  201 303   23.86-   155   2.93-    223                    GLOB UNIF    WV 0 4
 2062  LOAD Z  201 303   23.86-    31   2.93-     34                    GLOB UNIF    WV 0 4
 2063  LOAD X  201 303   26.79     17   2.93      18                    GLOB UNIF    WV 0 4
 2064  LOAD Y  201 303   26.79-   223   2.93-    243                    GLOB UNIF    WV 0 4
 2065  LOAD Z  201 303   26.79-    34   2.93-     35                    GLOB UNIF    WV 0 4
 2066  LOAD X  201 303   29.72     18   2.93      19                    GLOB UNIF    WV 0 4
 2067  LOAD Y  201 303   29.72-   263   2.93-    275                    GLOB UNIF    WV 0 4
 2068  LOAD Z  201 303   29.72-    35   2.93-     37                    GLOB UNIF    WV 0 4
 2069  LOAD X  203 306   19.72     43   4.31      59                    GLOB UNIF    WV 0 4
 2070  LOAD Y  203 306   19.72-    99   4.31-    124                    GLOB UNIF    WV 0 4
 2071  LOAD Z  203 306   19.72-   124   4.31-    150                    GLOB UNIF    WV 0 4
 2072  LOAD X  203 306   24.03     59   4.31      60                    GLOB UNIF    WV 0 4
 2073  LOAD Y  203 306   24.03-   124   4.31-    125                    GLOB UNIF    WV 0 4
 2074  LOAD Z  203 306   24.03-   150   4.31-    152                    GLOB UNIF    WV 0 4
 2075  LOAD X  203 306   26.34     60   4.31      57                    GLOB UNIF    WV 0 4
 2076  LOAD Y  203 306   26.34-   125   4.31-    122                    GLOB UNIF    WV 0 4
 2077  LOAD Z  203 306   26.34-   152   4.31-    149                    GLOB UNIF    WV 0 4
 2078  LOAD X  206 301   21.53-    64   3.71-     80                    GLOB UNIF    WV 0 4
 2079  LOAD Y  206 301   21.53-    40   3.71-     65                    GLOB UNIF    WV 0 4
 2080  LOAD Z  206 301   21.53     05   3.71      27                    GLOB UNIF    WV 0 4
 2081  LOAD X  206 301   25.23-    80   3.71-     99                    GLOB UNIF    WV 0 4
 2082  LOAD Y  206 301   25.23-    65   3.71-     88                    GLOB UNIF    WV 0 4
 2083  LOAD Z  206 301   25.23     27   3.71      51                    GLOB UNIF    WV 0 4
 2084  LOAD X  206 301   26.94-    99   3.71-    103                    GLOB UNIF    WV 0 4
 2085  LOAD Y  206 301   26.94-    88   3.71-     96                    GLOB UNIF    WV 0 4
 2086  LOAD Z  206 301   26.94     51   3.71      60                    GLOB UNIF    WV 0 4
 2087  LOAD X  301 403    0.00     05  20.33      07                    GLOB UNIF    WV 0 4
 2088  LOAD Y  301 403    0.00-   135  20.33-    176                    GLOB UNIF    WV 0 4
 2089  LOAD Z  301 403    0.00-    05  20.33-     08                    GLOB UNIF    WV 0 4
 2090  LOAD X  301 403   20.33     07  20.33      08                    GLOB UNIF    WV 0 4
 2091  LOAD Y  301 403   20.33-   176  20.33-    116                    GLOB UNIF    WV 0 4
 2092  LOAD Z  301 403   20.33-    08  20.33-     08                    GLOB UNIF    WV 0 4
```

LINE NO.	1...5....0....5								
2093	LOAD Y	301 303	0.00-	116	29.00-	116	GLOB UNIF	WV 0 4
2094	LOAD Z	301 303	0.00-	06	29.00-	06	GLOB UNIF	WV 0 4
2095	LOAD X	303 306	0.00	50	14.50	56	GLOB UNIF	WV 0 4
2096	LOAD Y	303 306	0.00-	29	14.50-	32	GLOB UNIF	WV 0 4
2097	LOAD Z	303 306	0.00-	06	14.50-	16	GLOB UNIF	WV 0 4
2098	LOAD X	303 306	14.50	56	14.50	50	GLOB UNIF	WV 0 4
2099	LOAD Y	303 306	14.50-	32	14.50-	29	GLOB UNIF	WV 0 4
2100	LOAD Z	303 306	14.50-	16	14.50-	23	GLOB UNIF	WV 0 4
2101	LOAD X	301 306	0.00-	50	14.50-	56	GLOB UNIF	WV 0 4
2102	LOAD Y	301 306	0.00-	29	14.50-	32	GLOB UNIF	WV 0 4
2103	LOAD Z	301 306	0.00-	06	14.50-	16	GLOB UNIF	WV 0 4
2104	LOAD X	301 306	14.50-	56	14.50-	50	GLOB UNIF	WV 0 4
2105	LOAD Y	301 306	14.50-	32	14.50-	29	GLOB UNIF	WV 0 4
2106	LOAD Z	301 306	14.50-	16	14.50-	23	GLOB UNIF	WV 0 4
2107	LOAD Y	501 502	0.00-	70	15.15-	70	GLOB UNIF	WV 0 4
2108	LOAD Z	501 502	0.00-	06	15.15-	06	GLOB UNIF	WV 0 4
2109	LOAD Y	502 503	0.00-	70	15.15-	70	GLOB UNIF	WV 0 4
2110	LOAD Z	502 503	0.00-	06	15.15-	06	GLOB UNIF	WV 0 4
2111	LOAD X	503 505	0.00	30	15.15	30	GLOB UNIF	WV 0 4
2112	LOAD Y	503 505	0.00-	17	15.15-	17	GLOB UNIF	WV 0 4
2113	LOAD Z	503 505	0.00-	06	15.15-	08	GLOB UNIF	WV 0 4
2114	LOAD X	505 506	0.00	30	15.15	29	GLOB UNIF	WV 0 4
2115	LOAD Y	505 506	0.00-	17	15.15-	16	GLOB UNIF	WV 0 4
2116	LOAD Z	505 506	0.00-	06	15.15-	10	GLOB UNIF	WV 0 4
2117	LOAD X	501 504	0.00-	30	15.15-	30	GLOB UNIF	WV 0 4
2118	LOAD Y	501 504	0.00-	17	15.15-	17	GLOB UNIF	WV 0 4
2119	LOAD Z	501 504	0.00-	06	15.15-	08	GLOB UNIF	WV 0 4
2120	LOAD X	504 506	0.00-	30	15.15-	29	GLOB UNIF	WV 0 4
2121	LOAD Y	504 506	0.00-	17	15.15-	16	GLOB UNIF	WV 0 4
2122	LOAD Z	504 506	0.00-	08	15.15-	10	GLOB UNIF	WV 0 4
2123	LOAD X	502 504	0.00	24	15.15	24	GLOB UNIF	WV 0 4
2124	LOAD Y	502 504	0.00-	14	15.15-	14	GLOB UNIF	WV 0 4
2125	LOAD Z	502 504	0.00-	04	15.15-	05	GLOB UNIF	WV 0 4
2126	LOAD X	502 505	0.00-	24	15.15-	24	GLOB UNIF	WV 0 4
2127	LOAD Y	502 505	0.00-	14	15.15-	14	GLOB UNIF	WV 0 4
2128	LOAD Z	502 505	0.00-	04	15.15-	05	GLOB UNIF	WV 0 4
2129	LOAD Y	504 505	0.00-	55	15.14-	55	GLOB UNIF	WV 0 4
2130	LOAD Z	504 505	0.00-	05	15.14-	05	GLOB UNIF	WV 0 4
2131	LOAD X	501 513	0.00-	22	3.00-	22	GLOB UNIF	WV 0 4
2132	LOAD Y	501 513	0.00-	39	3.00-	39	GLOB UNIF	WV 0 4
2133	LOAD Z	501 513	0.00-	03	3.00-	03	GLOB UNIF	WV 0 4
2134	LOAD X	503 514	0.00	22	3.00	22	GLOB UNIF	WV 0 4
2135	LOAD Y	503 514	0.00-	39	3.00-	39	GLOB UNIF	WV 0 4
2136	LOAD Z	503 514	0.00-	03	3.00-	03	GLOB UNIF	WV 0 4
2137	LOAD Y	513 651	0.00-	193	6.00-	171	GLOB UNIF	WV 0 4
2138	LOAD Y	513 651	6.00-	171	6.00-	153	GLOB UNIF	WV 0 4
2139	LOAD Y	513 651	12.00-	153	6.00-	138	GLOB UNIF	WV 0 4
2140	LOAD Y	514 653	0.00-	193	6.00-	171	GLOB UNIF	WV 0 4
2141	LOAD Y	514 653	6.00-	171	6.00-	153	GLOB UNIF	WV 0 4
2142	LOAD Y	514 653	12.00-	153	6.00-	138	GLOB UNIF	WV 0 4

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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

2143	LOAD	Z	501	611	0.00-	04	6.00-	03	GLOB	UNIF	WV	0 4
2144	LOAD	Z	513	613	0.00-	04	6.00-	03	GLOB	UNIF	WV	0 4
2145	LOAD	Y	611	612	0.00-	44	16.01-	44	GLOB	UNIF	WV	0 4
2146	LOAD	Z	611	612	0.00-	02	16.01-	02	GLOB	UNIF	WV	0 4
2147	LOAD	Y	612	613	0.00-	44	16.01-	44	GLOB	UNIF	WV	0 4
2148	LOAD	Z	612	613	0.00-	02	16.01-	02	GLOB	UNIF	WV	0 4
2149	LOAD	Y	661	662	0.00-	75	17.75-	76	GLOB	UNIF	WV	0 4
2150	LOAD	Z	661	662	0.00-	1	17.75-	1	GLOB	UNIF	WV	0 4
2151	LOAD	Y	662	663	0.00-	76	17.75-	76	GLOB	UNIF	WV	0 4
2152	LOAD	Z	662	663	0.00-	1	17.75-	1	GLOB	UNIF	WV	0 4
2153	LOAD	X	611	661	0.00-	03	6.06-	03	GLOB	UNIF	WV	0 4
2154	LOAD	Y	611	661	0.00-	121	6.06-	109	GLOB	UNIF	WV	0 4
2155	LOAD	X	611	661	6.06-	03	6.06-	03	GLOB	UNIF	WV	0 4
2156	LOAD	Y	611	661	6.06-	109	6.06-	98	GLOB	UNIF	WV	0 4
2157	LOAD	Y	612	662	0.00-	77	6.00-	69	GLOB	UNIF	WV	0 4
2158	LOAD	Y	612	662	6.00-	69	6.00-	62	GLOB	UNIF	WV	0 4
2159	LOAD	X	613	663	0.00	03	6.06	03	GLOB	UNIF	WV	0 4
2160	LOAD	Y	613	663	0.00-	121	6.06-	109	GLOB	UNIF	WV	0 4
2161	LOAD	X	613	663	6.06	03	6.06	03	GLOB	UNIF	WV	0 4
2162	LOAD	Y	613	663	6.06-	109	6.06-	98	GLOB	UNIF	WV	0 4
2163	LOAD	X	501	642	0.00	08	10.12	08	GLOB	UNIF	WV	0 4
2164	LOAD	Y	501	642	0.00-	88	10.12-	78	GLOB	UNIF	WV	0 4
2165	LOAD	Z	501	642	0.00-	04	10.12-	04	GLOB	UNIF	WV	0 4
2166	LOAD	X	501	642	10.12	08	10.12	07	GLOB	UNIF	WV	0 4
2167	LOAD	Y	501	642	10.12-	78	10.12-	70	GLOB	UNIF	WV	0 4
2168	LOAD	Z	501	642	10.12-	04	10.12-	04	GLOB	UNIF	WV	0 4
2169	LOAD	X	503	645	0.00	21	10.12	18	GLOB	UNIF	WV	0 4
2170	LOAD	Y	503	645	0.00-	47	10.12-	42	GLOB	UNIF	WV	0 4
2171	LOAD	Z	503	645	0.00-	45	10.12-	41	GLOB	UNIF	WV	0 4
2172	LOAD	X	503	645	10.12	18	10.12	15	GLOB	UNIF	WV	0 4
2173	LOAD	Y	503	645	10.12-	42	10.12-	38	GLOB	UNIF	WV	0 4
2174	LOAD	Z	503	645	10.12-	41	10.12-	37	GLOB	UNIF	WV	0 4
2175	LOAD	X	505	644	0.00-	28	6.75-	27	GLOB	UNIF	WV	0 4
2176	LOAD	Y	505	644	0.00-	39	6.75-	37	GLOB	UNIF	WV	0 4
2177	LOAD	Z	505	644	0.00	23	6.75	22	GLOB	UNIF	WV	0 4
2178	LOAD	X	505	644	6.75-	27	6.75-	25	GLOB	UNIF	WV	0 4
2179	LOAD	Y	505	644	6.75-	37	6.75-	36	GLOB	UNIF	WV	0 4
2180	LOAD	Z	505	644	6.75	22	6.75	21	GLOB	UNIF	WV	0 4
2181	LOAD	X	505	644	13.49-	25	6.75-	24	GLOB	UNIF	WV	0 4
2182	LOAD	Y	505	644	13.49-	36	6.75-	34	GLOB	UNIF	WV	0 4
2183	LOAD	Z	505	644	13.49	21	6.75	20	GLOB	UNIF	WV	0 4
2184	LOAD	X	642	703	0.00	08	7.31	08	GLOB	UNIF	WV	0 4
2185	LOAD	Y	642	703	0.00-	104	7.31-	96	GLOB	UNIF	WV	0 4
2186	LOAD	Z	642	703	0.00-	03	7.31-	03	GLOB	UNIF	WV	0 4
2187	LOAD	X	642	703	7.31	08	7.31	07	GLOB	UNIF	WV	0 4
2188	LOAD	Y	642	703	7.31-	96	7.31-	89	GLOB	UNIF	WV	0 4
2189	LOAD	Z	642	703	7.31-	03	7.31-	03	GLOB	UNIF	WV	0 4
2190	LOAD	X	642	703	14.62	07	7.31	07	GLOB	UNIF	WV	0 4
2191	LOAD	Y	642	703	14.62-	89	7.31-	82	GLOB	UNIF	WV	0 4
2192	LOAD	Z	642	703	14.62-	03	7.31-	03	GLOB	UNIF	WV	0 4

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    2193  LOAD X  645 706    0.00     24   7.31     22               GLOB UNIF     WV 0 4
    2194  LOAD Y  645 706    0.00-    55   7.31-    51               GLOB UNIF     WV 0 4
    2195  LOAD Z  645 706    0.00-    52   7.31-    48               GLOB UNIF     WV 0 4
    2196  LOAD X  645 706    7.31     22   7.31     20               GLOB UNIF     WV 0 4
    2197  LOAD Y  645 706    7.31-    51   7.31-    46               GLOB UNIF     WV 0 4
    2198  LOAD Z  645 706    7.31-    48   7.31-    44               GLOB UNIF     WV 0 4
    2199  LOAD X  645 706   14.62     20   7.31     18               GLOB UNIF     WV 0 4
    2200  LOAD Y  645 706   14.62-    46   7.31-    42               GLOB UNIF     WV 0 4
    2201  LOAD Z  645 706   14.62-    44   7.31-    40               GLOB UNIF     WV 0 4
    2202  LOAD X  644 701    0.00-    34   7.31-    31               GLOB UNIF     WV 0 4
    2203  LOAD Y  644 701    0.00-    53   7.31-    49               GLOB UNIF     WV 0 4
    2204  LOAD Z  644 701    0.00     34   7.31     32               GLOB UNIF     WV 0 4
    2205  LOAD X  644 701    7.31-    31   7.31-    29               GLOB UNIF     WV 0 4
    2206  LOAD Y  644 701    7.31-    49   7.31-    46               GLOB UNIF     WV 0 4
    2207  LOAD Z  644 701    7.31     32   7.31     30               GLOB UNIF     WV 0 4
    2208  LOAD X  644 701   14.62-    29   7.31-    27               GLOB UNIF     WV 0 4
    2209  LOAD Y  644 701   14.62-    46   7.31-    42               GLOB UNIF     WV 0 4
    2210  LOAD Z  644 701   14.62     30   7.31     28               GLOB UNIF     WV 0 4
    2211  LOAD Y  701 702    0.00-    54  18.76-    54               GLOB UNIF     WV 0 4
    2212  LOAD Z  701 702    0.00-    02  18.76-    02               GLOB UNIF     WV 0 4
    2213  LOAD Y  702 703    0.00-    54  18.76-    54               GLOB UNIF     WV 0 4
    2214  LOAD Z  702 703    0.00-    02  18.76-    02               GLOB UNIF     WV 0 4
    2215  LOAD X  703 705    0.00     23  18.76     24               GLOB UNIF     WV 0 4
    2216  LOAD Y  703 705    0.00-    13  18.76-    14               GLOB UNIF     WV 0 4
    2217  LOAD Z  703 705    0.00-    02  18.76-    03               GLOB UNIF     WV 0 4
    2218  LOAD X  705 706    0.00     24  18.75     23               GLOB UNIF     WV 0 4
    2219  LOAD Y  705 706    0.00-    14  18.75-    13               GLOB UNIF     WV 0 4
    2220  LOAD Z  705 706    0.00-    03  18.75-    03               GLOB UNIF     WV 0 4
    2221  LOAD X  701 704    0.00-    25  18.76-    24               GLOB UNIF     WV 0 4
    2222  LOAD Y  701 704    0.00-    13  18.76-    14               GLOB UNIF     WV 0 4
    2223  LOAD Z  701 704    0.00-    02  18.76-    03               GLOB UNIF     WV 0 4
    2224  LOAD X  704 706    0.00-    24  18.75-    23               GLOB UNIF     WV 0 4
    2225  LOAD Y  704 706    0.00-    14  18.75-    13               GLOB UNIF     WV 0 4
    2226  LOAD Z  704 706    0.00-    03  18.75-    03               GLOB UNIF     WV 0 4
    2227  LOAD X  702 704    0.00     21  18.76     21               GLOB UNIF     WV 0 4
    2228  LOAD Y  702 704    0.00-    12  18.76-    12               GLOB UNIF     WV 0 4
    2229  LOAD Z  702 704    0.00-    06  18.76-    07               GLOB UNIF     WV 0 4
    2230  LOAD X  702 705    0.00-    21  18.76-    21               GLOB UNIF     WV 0 4
    2231  LOAD Y  702 705    0.00-    12  18.76-    12               GLOB UNIF     WV 0 4
    2232  LOAD Z  702 705    0.00-    06  18.76-    07               GLOB UNIF     WV 0 4
    2233  LOAD Y  704 705    0.00-    48  18.76-    48               GLOB UNIF     WV 0 4
    2234  LOAD Z  704 705    0.00-    07  18.76-    07               GLOB UNIF     WV 0 4
    2235  LOAD X  701 806    0.00-    22  16.27-    19               GLOB UNIF     WV 0 4
    2236  LOAD Y  701 806    0.00-    39  16.27-    34               GLOB UNIF     WV 0 4
    2237  LOAD Z  701 806    0.00-    39  16.27-    35               GLOB UNIF     WV 0 4
    2238  LOAD X  701 806   16.27-    19  16.27-    16               GLOB UNIF     WV 0 4
    2239  LOAD Y  701 806   16.27-    34  16.27-    30               GLOB UNIF     WV 0 4
    2240  LOAD Z  701 806   16.27-    35  16.27-    30               GLOB UNIF     WV 0 4
    2241  LOAD X  701 806   32.55-    16  16.27-    14               GLOB UNIF     WV 0 4
    2242  LOAD Y  701 806   32.55-    30  16.27-    25               GLOB UNIF     WV 0 4
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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2243  LOAD Z  701 804   32.55-   30  16.27-   25              GLOB UNIF    WV 0 4
  2244  LOAD X  703 801    0.00-   07  16.28-   06              GLOB UNIF    WV 0 4
  2245  LOAD Y  703 801    0.00-   82  16.28-   72              GLOB UNIF    WV 0 4
  2246  LOAD Z  703 801    0.00-   04  16.28-   03              GLOB UNIF    WV 0 4
  2247  LOAD X  703 801   16.28-   06  16.28-   05              GLOB UNIF    WV 0 4
  2248  LOAD Y  703 801   16.28-   72  16.28-   63              GLOB UNIF    WV 0 4
  2249  LOAD Z  703 801   16.28-   03  16.28-   03              GLOB UNIF    WV 0 4
  2250  LOAD X  703 801   32.55-   05  16.28-   04              GLOB UNIF    WV 0 4
  2251  LOAD Y  703 801   32.55-   63  16.28-   56              GLOB UNIF    WV 0 4
  2252  LOAD Z  703 801   32.55-   03  16.28-   02              GLOB UNIF    WV 0 4
  2253  LOAD X  706 803    0.00    28  16.28    26              GLOB UNIF    WV 0 4
  2254  LOAD Y  706 803    0.00-   34  16.28-   32              GLOB UNIF    WV 0 4
  2255  LOAD Z  706 803    0.00    22  16.28    21              GLOB UNIF    WV 0 4
  2256  LOAD X  706 803   16.28    26  16.28    23              GLOB UNIF    WV 0 4
  2257  LOAD Y  706 803   16.28-   32  16.28-   29              GLOB UNIF    WV 0 4
  2258  LOAD Z  706 803   16.28    21  16.28    19              GLOB UNIF    WV 0 4
  2259  LOAD X  706 803   32.55    25  16.28    20              GLOB UNIF    WV 0 4
  2260  LOAD Y  706 803   32.55-   29  16.28-   26              GLOB UNIF    WV 0 4
  2261  LOAD Z  706 803   32.55    19  16.28    18              GLOB UNIF    WV 0 4
  2262  LOAD Y  801 802    0.00-   36  22.51-   36              GLOB UNIF    WV 0 4
  2263  LOAD Z  801 802    0.00-    1  22.51-    1              GLOB UNIF    WV 0 4
  2264  LOAD Y  802 803    0.00-   36  22.51-   36              GLOB UNIF    WV 0 4
  2265  LOAD Z  802 803    0.00-    1  22.51-    1              GLOB UNIF    WV 0 4
  2266  LOAD X  803 805    0.00    16  22.51    16              GLOB UNIF    WV 0 4
  2267  LOAD Y  803 805    0.00-   09  22.51-   09              GLOB UNIF    WV 0 4
  2268  LOAD Z  803 805    0.00-    1  22.51-   02              GLOB UNIF    WV 0 4
  2269  LOAD X  805 806    0.00    16  22.51    15              GLOB UNIF    WV 0 4
  2270  LOAD Y  805 806    0.00-   09  22.51-   09              GLOB UNIF    WV 0 4
  2271  LOAD Z  805 806    0.00-   02  22.51-   02              GLOB UNIF    WV 0 4
  2272  LOAD X  801 804    0.00-   16  22.51-   16              GLOB UNIF    WV 0 4
  2273  LOAD Y  801 804    0.00-   09  22.51-   09              GLOB UNIF    WV 0 4
  2274  LOAD Z  801 804    0.00-    1  22.51-   02              GLOB UNIF    WV 0 4
  2275  LOAD X  804 806    0.00-   16  22.51-   15              GLOB UNIF    WV 0 4
  2276  LOAD Y  804 806    0.00-   09  22.51-   09              GLOB UNIF    WV 0 4
  2277  LOAD Z  804 806    0.00-   02  22.51-   02              GLOB UNIF    WV 0 4
  2278  LOAD X  802 804    0.00    14  22.52    14              GLOB UNIF    WV 0 4
  2279  LOAD Y  802 804    0.00-   08  22.52-   08              GLOB UNIF    WV 0 4
  2280  LOAD Z  802 804    0.00-   04  22.52-   05              GLOB UNIF    WV 0 4
  2281  LOAD X  802 805    0.00-   14  22.52-   14              GLOB UNIF    WV 0 4
  2282  LOAD Y  802 805    0.00-   08  22.52-   08              GLOB UNIF    WV 0 4
  2283  LOAD Z  802 805    0.00-   04  22.52-   05              GLOB UNIF    WV 0 4
  2284  LOAD Y  804 805    0.00-   33  22.52-   33              GLOB UNIF    WV 0 4
  2285  LOAD Z  804 805    0.00-   05  22.52-   05              GLOB UNIF    WV 0 4
  2286  LOAD X  801 903    0.00    04  18.64    04              GLOB UNIF    WV 0 4
  2287  LOAD Y  801 903    0.00-   56  18.64-   50              GLOB UNIF    WV 0 4
  2288  LOAD Z  801 903    0.00-   03  18.64-   02              GLOB UNIF    WV 0 4
  2289  LOAD X  801 903   18.64    04  18.64    03              GLOB UNIF    WV 0 4
  2290  LOAD Y  801 903   18.64-   50  18.64-   46              GLOB UNIF    WV 0 4
  2291  LOAD Z  801 903   18.64-   02  18.64-   02              GLOB UNIF    WV 0 4
  2292  LOAD X  801 903   37.28    03  18.64    03              GLOB UNIF    WV 0 4
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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2293  LOAD Y  801 903   37.28-    46  18.64-    42              GLOB UNIF    WV 0 4
  2294  LOAD Z  801 903   37.28-    02  18.64-     1              GLOB UNIF    WV 0 4
  2295  LOAD X  803 906    0.00     17  18.64     15              GLOB UNIF    WV 0 4
  2296  LOAD Y  803 906    0.00-    24  18.64-    22              GLOB UNIF    WV 0 4
  2297  LOAD Z  803 906    0.00-    25  18.64-    23              GLOB UNIF    WV 0 4
  2298  LOAD X  803 905   18.64     15  18.64     13              GLOB UNIF    WV 0 4
  2299  LOAD Y  803 905   18.64-    22  18.64-    19              GLOB UNIF    WV 0 4
  2300  LOAD Z  803 905   18.64-    23  18.64-    20              GLOB UNIF    WV 0 4
  2301  LOAD X  803 906   37.28     13  18.64     11              GLOB UNIF    WV 0 4
  2302  LOAD Y  803 906   37.28-    19  18.64-    16              GLOB UNIF    WV 0 4
  2303  LOAD Z  803 906   37.28-    20  18.64-    16              GLOB UNIF    WV 0 4
  2304  LOAD X  806 901    0.00-    19  18.64-    18              GLOB UNIF    WV 0 4
  2305  LOAD Y  806 901    0.00-    21  18.64-    21              GLOB UNIF    WV 0 4
  2306  LOAD Z  806 901    0.00     13  18.64     14              GLOB UNIF    WV 0 4
  2307  LOAD X  806 901   18.64-    18  18.64-    17              GLOB UNIF    WV 0 4
  2308  LOAD Y  806 901   18.64-    21  18.64-    19              GLOB UNIF    WV 0 4
  2309  LOAD Z  806 901   18.64     14  18.64     13              GLOB UNIF    WV 0 4
  2310  LOAD X  806 901   37.28-    17  18.64-    15              GLOB UNIF    WV 0 4
  2311  LOAD Y  806 901   37.28-    19  18.64-    16              GLOB UNIF    WV 0 4
  2312  LOAD Z  806 901   37.28     13  18.64     13              GLOB UNIF    WV 0 4
  2313  LOAD Y  901 902    0.00-    29  26.41-    29              GLOB UNIF    WV 0 4
  2314  LOAD Z  901 902    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2315  LOAD Y  902 903    0.00-    29  26.41-    29              GLOB UNIF    WV 0 4
  2316  LOAD Z  902 903    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2317  LOAD X  903 905    0.00     13  26.41     13              GLOB UNIF    WV 0 4
  2318  LOAD Y  903 905    0.00-    07  26.41-    08              GLOB UNIF    WV 0 4
  2319  LOAD Z  903 905    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2320  LOAD X  905 906    0.00     13  26.41     12              GLOB UNIF    WV 0 4
  2321  LOAD Y  905 906    0.00-    07  26.41-    07              GLOB UNIF    WV 0 4
  2322  LOAD Z  905 906    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2323  LOAD X  901 904    0.00-    13  26.41-    13              GLOB UNIF    WV 0 4
  2324  LOAD Y  901 904    0.00-    07  26.41-    08              GLOB UNIF    WV 0 4
  2325  LOAD Z  901 904    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2326  LOAD X  904 905    0.00-    13  26.41-    12              GLOB UNIF    WV 0 4
  2327  LOAD Y  904 905    0.00-    07  26.41-    07              GLOB UNIF    WV 0 4
  2328  LOAD Z  904 905    0.00-     1  26.41-     1              GLOB UNIF    WV 0 4
  2329  LOAD X  902 904    0.00     11  26.41     10              GLOB UNIF    WV 0 4
  2330  LOAD Y  902 904    0.00-    06  26.41-    06              GLOB UNIF    WV 0 4
  2331  LOAD Z  902 904    0.00-    02  26.41-    02              GLOB UNIF    WV 0 4
  2332  LOAD X  902 905    0.00-    11  26.41-    10              GLOB UNIF    WV 0 4
  2333  LOAD Y  902 905    0.00-    06  26.41-    06              GLOB UNIF    WV 0 4
  2334  LOAD Z  902 905    0.00-    02  26.41-    02              GLOB UNIF    WV 0 4
  2335  LOAD Y  904 905    0.00-    24  26.40-    24              GLOB UNIF    WV 0 4
  2336  LOAD Z  904 905    0.00-    02  26.40-    02              GLOB UNIF    WV 0 4
  2337  LOAD X  9011002    0.00     02  12.01     02              GLOB UNIF    WV 0 4
  2338  LOAD Y  9011002    0.00-    33  12.01-    31              GLOB UNIF    WV 0 4
  2339  LOAD Z  9011002    0.00      1  12.01      1              GLOB UNIF    WV 0 4
  2340  LOAD X  9011002   12.01     02  12.01      1              GLOB UNIF    WV 0 4
  2341  LOAD Y  9011002   12.01-    31  12.01-    27              GLOB UNIF    WV 0 4
  2342  LOAD Z  9011002   12.01      1  12.01      1              GLOB UNIF    WV 0 4
```

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
         (column ruler: 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8)

 2343  LOAD X  9011002   25.22     1  12.61            GLOB UNIF   WV 0 4
 2344  LOAD Y  9011002   25.22-   27  12.61-   04      GLOB UNIF   WV 0 4
 2345  LOAD Z  9011002   25.22     1  12.61            GLOB UNIF   WV 0 4
 2346  LOAD X  9031002    0.00-   02  12.61-   02      GLOB UNIF   WV 0 4
 2347  LOAD Y  9031002    0.00-   33  12.61-   31      GLOB UNIF   WV 0 4
 2348  LOAD Z  9031002    0.00     1  12.61     1      GLOB UNIF   WV 0 4
 2349  LOAD X  9031002   12.61-   02  12.61-    1      GLOB UNIF   WV 0 4
 2350  LOAD Y  9031002   12.61-   31  12.61-   27      GLOB UNIF   WV 0 4
 2351  LOAD Z  9031002   12.61     1  12.61     1      GLOB UNIF   WV 0 4
 2352  LOAD X  9031002   25.22-    1  12.61            GLOB UNIF   WV 0 4
 2353  LOAD Y  9031002   25.22-   27  12.61-   04      GLOB UNIF   WV 0 4
 2354  LOAD Z  9031002   25.22     1  12.61            GLOB UNIF   WV 0 4
 2355  LOAD X  9031005    0.00    06  12.61    06      GLOB UNIF   WV 0 4
 2356  LOAD Y  9031005    0.00-   21  12.61-   19      GLOB UNIF   WV 0 4
 2357  LOAD Z  9031005    0.00-   16  12.61-   15      GLOB UNIF   WV 0 4
 2358  LOAD X  9031005   12.61    06  12.61    05      GLOB UNIF   WV 0 4
 2359  LOAD Y  9031005   12.61-   19  12.61-   16      GLOB UNIF   WV 0 4
 2360  LOAD Z  9031005   12.61-   15  12.61-   13      GLOB UNIF   WV 0 4
 2361  LOAD X  9031005   25.23    05  12.61            GLOB UNIF   WV 0 4
 2362  LOAD Y  9031005   25.23-   16  12.61-    1      GLOB UNIF   WV 0 4
 2363  LOAD Z  9031005   25.23-   13  12.61-    1      GLOB UNIF   WV 0 4
 2364  LOAD X  9061005    0.00    08  12.61    07      GLOB UNIF   WV 0 4
 2365  LOAD Y  9061005    0.00-   20  12.61-   19      GLOB UNIF   WV 0 4
 2366  LOAD Z  9061005    0.00    12  12.61    12      GLOB UNIF   WV 0 4
 2367  LOAD X  9061005   12.61    07  12.61    06      GLOB UNIF   WV 0 4
 2368  LOAD Y  9061005   12.61-   19  12.61-   17      GLOB UNIF   WV 0 4
 2369  LOAD Z  9061005   12.61    12  12.61    10      GLOB UNIF   WV 0 4
 2370  LOAD X  9061005   25.22    06  12.61            GLOB UNIF   WV 0 4
 2371  LOAD Y  9061005   25.22-   17  12.61-    1      GLOB UNIF   WV 0 4
 2372  LOAD Z  9061005   25.22    10  12.61     1      GLOB UNIF   WV 0 4
 2373  LOAD X  9011004    0.00-   06  12.61-   06      GLOB UNIF   WV 0 4
 2374  LOAD Y  9011004    0.00-   21  12.61-   19      GLOB UNIF   WV 0 4
 2375  LOAD Z  9011004    0.00-   16  12.61-   15      GLOB UNIF   WV 0 4
 2376  LOAD X  9011004   12.61-   06  12.61-   05      GLOB UNIF   WV 0 4
 2377  LOAD Y  9011004   12.61-   19  12.61-   16      GLOB UNIF   WV 0 4
 2378  LOAD Z  9011004   12.61-   15  12.61-   13      GLOB UNIF   WV 0 4
 2379  LOAD X  9011004   25.23-   05  12.61            GLOB UNIF   WV 0 4
 2380  LOAD Y  9011004   25.23-   16  12.61-    1      GLOB UNIF   WV 0 4
 2381  LOAD Z  9011004   25.23-   13  12.61-    1      GLOB UNIF   WV 0 4
 2382  LOAD X  9061004    0.00-   08  12.61-   07      GLOB UNIF   WV 0 4
 2383  LOAD Y  9061004    0.00-   20  12.61-   19      GLOB UNIF   WV 0 4
 2384  LOAD Z  9061004    0.00    12  12.61    12      GLOB UNIF   WV 0 4
 2385  LOAD X  9061004   12.61-   07  12.61-   06      GLOB UNIF   WV 0 4
 2386  LOAD Y  9061004   12.61-   19  12.61-   17      GLOB UNIF   WV 0 4
 2387  LOAD Z  9061004   12.61    12  12.61    10      GLOB UNIF   WV 0 4
 2388  LOAD X  9061004   25.22-   06  12.61            GLOB UNIF   WV 0 4
 2389  LOAD Y  9061004   25.22-   17  12.61-    1      GLOB UNIF   WV 0 4
 2390  LOAD Z  9061004   25.22    10  12.61     1      GLOB UNIF   WV 0 4
 2391  LOAD Y 10011002    0.00-   05  30.31-   05      GLOB UNIF   WV 0 4
 2392  LOAD Y 10021003    0.00-   05  30.31-   05      GLOB UNIF   WV 0 4
```

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

2393	LOAD	X	10031005	0.00	02	10.10	02	GLOB	UNIF	WV	0 4
2394	LOAD	Y	10031005	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2395	LOAD	X	10031005	10.10	02	10.10	02	GLOB	UNIF	WV	0 4
2396	LOAD	Y	10031005	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 4
2397	LOAD	X	10031005	20.21	02	10.10	1	GLOB	UNIF	WV	0 4
2398	LOAD	Y	10031005	20.21-	1	10.10-	1	GLOB	UNIF	WV	0 4
2399	LOAD	X	10051006	0.00	1	10.10	1	GLOB	UNIF	WV	0 4
2400	LOAD	Y	10051006	0.00-	1	10.10		GLOB	UNIF	WV	0 4
2401	LOAD	X	10051006	10.10	1	10.10		GLOB	UNIF	WV	0 4
2402	LOAD	X	10011004	0.00-	02	10.10-	02	GLOB	UNIF	WV	0 4
2403	LOAD	Y	10011004	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2404	LOAD	X	10011004	10.10-	02	10.10-	02	GLOB	UNIF	WV	0 4
2405	LOAD	Y	10011004	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 4
2406	LOAD	X	10011004	20.21-	02	10.10-	1	GLOB	UNIF	WV	0 4
2407	LOAD	Y	10011004	20.21-	1	10.10-	1	GLOB	UNIF	WV	0 4
2408	LOAD	X	10041006	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2409	LOAD	Y	10041006	0.00-	1	10.10		GLOB	UNIF	WV	0 4
2410	LOAD	X	10041006	10.10-	1	10.10		GLOB	UNIF	WV	0 4
2411	LOAD	X	10021004	0.00	1	10.10	1	GLOB	UNIF	WV	0 4
2412	LOAD	Y	10021004	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2413	LOAD	X	10021004	10.10	1	10.10	1	GLOB	UNIF	WV	0 4
2414	LOAD	Y	10021004	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 4
2415	LOAD	X	10021004	20.21	1	10.10	1	GLOB	UNIF	WV	0 4
2416	LOAD	Y	10021004	20.21-	1	10.10		GLOB	UNIF	WV	0 4
2417	LOAD	X	10021005	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2418	LOAD	Y	10021005	0.00-	1	10.10-	1	GLOB	UNIF	WV	0 4
2419	LOAD	X	10021005	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 4
2420	LOAD	Y	10021005	10.10-	1	10.10-	1	GLOB	UNIF	WV	0 4
2421	LOAD	X	10021005	20.21-	1	10.10-	1	GLOB	UNIF	WV	0 4
2422	LOAD	Y	10021005	20.21-	1	10.10		GLOB	UNIF	WV	0 4
2423	LOAD	Y	10041005	0.00-	02	30.30-	02	GLOB	UNIF	WV	0 4
2424	LOAD	Y	201 301	10.96-	91	1.35-	139	GLOB	UNIF	WV	0 4
2425	LOAD	Y	201 301	12.31-	139	1.35-	168	GLOB	UNIF	WV	0 4
2426	LOAD	Y	201 301	13.65-	168	1.35-	176	GLOB	UNIF	WV	0 4
2427	LOAD	Y	203 303	10.96-	91	1.35-	139	GLOB	UNIF	WV	0 4
2428	LOAD	Y	203 303	12.31-	139	1.35-	168	GLOB	UNIF	WV	0 4
2429	LOAD	Y	203 303	13.65-	168	1.35-	176	GLOB	UNIF	WV	0 4
2430	LOAD	Y	206 306	7.62-	41	2.39-	89	GLOB	UNIF	WV	0 4
2431	LOAD	Y	206 306	10.21-	89	2.39-	138	GLOB	UNIF	WV	0 4
2432	LOAD	Y	206 306	12.61-	138	2.39-	160	GLOB	UNIF	WV	0 4
2433	LOAD	Y	301 401	0.00-	176	14.25-	225	GLOB	UNIF	WV	0 4
2434	LOAD	Y	301 401	14.25-	225	14.25-	151	GLOB	UNIF	WV	0 4
2435	LOAD	Y	303 403	0.00-	176	14.25-	225	GLOB	UNIF	WV	0 4
2436	LOAD	Y	303 403	14.25-	225	14.25-	151	GLOB	UNIF	WV	0 4
2437	LOAD	Y	306 406	0.00-	160	9.50-	214	GLOB	UNIF	WV	0 4
2438	LOAD	Y	306 406	9.50-	214	9.50-	193	GLOB	UNIF	WV	0 4
2439	LOAD	Y	306 406	19.00-	193	9.50-	133	GLOB	UNIF	WV	0 4
2440	LOAD	X	401 501	0.00-	13	4.56-	12	GLOB	UNIF	WV	0 4
2441	LOAD	Y	401 501	0.00-	248	4.56-	228	GLOB	UNIF	WV	0 4
2442	LOAD	Z	401 501	0.00	19	4.56	17	GLOB	UNIF	WV	0 4

```
                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2443  LOAD X  403 503    0.00      13   4.56      12                 GLOB UNIF    WV 0 4
  2444  LOAD Y  403 503    0.00-    248   4.56-    228                 GLOB UNIF    WV 0 4
  2445  LOAD Z  403 503    0.00      19   4.56      17                 GLOB UNIF    WV 0 4
  2446  LOAD Y  406 506    0.00-    213   4.56-    193                 GLOB UNIF    WV 0 4
  2447  LOAD Z  406 506    0.00-     35   4.56-     32                 GLOB UNIF    WV 0 4
  2448  LOAD X  501 601    0.00-     12   3.04-     12                 GLOB UNIF    WV 0 4
  2449  LOAD Y  501 601    0.00-    228   3.04-    214                 GLOB UNIF    WV 0 4
  2450  LOAD Z  501 601    0.00      17   3.04      16                 GLOB UNIF    WV 0 4
  2451  LOAD X  501 601    3.04-     12   3.04-     11                 GLOB UNIF    WV 0 4
  2452  LOAD Y  501 601    3.04-    214   3.04-    201                 GLOB UNIF    WV 0 4
  2453  LOAD Z  501 601    3.04      16   3.04      15                 GLOB UNIF    WV 0 4
  2454  LOAD X  503 603    0.00      12   3.04      12                 GLOB UNIF    WV 0 4
  2455  LOAD Y  503 603    0.00-    228   3.04-    214                 GLOB UNIF    WV 0 4
  2456  LOAD Z  503 603    0.00      17   3.04      16                 GLOB UNIF    WV 0 4
  2457  LOAD X  503 603    3.04      12   3.04      11                 GLOB UNIF    WV 0 4
  2458  LOAD Y  503 603    3.04-    214   3.04-    201                 GLOB UNIF    WV 0 4
  2459  LOAD Z  503 603    3.04      16   3.04      15                 GLOB UNIF    WV 0 4
  2460  LOAD Y  506 606    0.00-    193   3.04-    180                 GLOB UNIF    WV 0 4
  2461  LOAD Z  506 606    0.00-     32   3.04-     30                 GLOB UNIF    WV 0 4
  2462  LOAD Y  506 606    3.04-    180   3.04-    169                 GLOB UNIF    WV 0 4
  2463  LOAD Z  506 606    3.04-     30   3.04-     28                 GLOB UNIF    WV 0 4
  2464  LOAD X  601 641    0.00-     11   6.08-     10                 GLOB UNIF    WV 0 4
  2465  LOAD Y  601 641    0.00-    201   6.08-    181                 GLOB UNIF    WV 0 4
  2466  LOAD Z  601 641    0.00      15   6.08      14                 GLOB UNIF    WV 0 4
  2467  LOAD X  603 643    0.00      11   6.08      10                 GLOB UNIF    WV 0 4
  2468  LOAD Y  603 643    0.00-    201   6.08-    181                 GLOB UNIF    WV 0 4
  2469  LOAD Z  603 643    0.00      15   6.08      14                 GLOB UNIF    WV 0 4
  2470  LOAD Y  606 646    0.00-    169   6.08-    150                 GLOB UNIF    WV 0 4
  2471  LOAD Z  606 646    0.00-     28   6.08-     25                 GLOB UNIF    WV 0 4
  2472  LOAD X  641 651    0.00-     21   6.08-     19                 GLOB UNIF    WV 0 4
  2473  LOAD Y  641 651    0.00-    278   6.08-    250                 GLOB UNIF    WV 0 4
  2474  LOAD Z  641 651    0.00      20   6.08      18                 GLOB UNIF    WV 0 4
  2475  LOAD X  643 653    0.00      21   6.08      19                 GLOB UNIF    WV 0 4
  2476  LOAD Y  643 653    0.00-    278   6.08-    250                 GLOB UNIF    WV 0 4
  2477  LOAD Z  643 653    0.00      20   6.08      18                 GLOB UNIF    WV 0 4
  2478  LOAD Y  646 656    0.00-    212   6.08-    187                 GLOB UNIF    WV 0 4
  2479  LOAD Z  646 656    0.00-     35   6.08-     31                 GLOB UNIF    WV 0 4
  2480  LOAD X  651 701    0.00-     19   3.55-     18                 GLOB UNIF    WV 0 4
  2481  LOAD Y  651 701    0.00-    251   3.55-    236                 GLOB UNIF    WV 0 4
  2482  LOAD Z  651 701    0.00      18   3.55      17                 GLOB UNIF    WV 0 4
  2483  LOAD X  651 701    3.55-     18   3.55-     17                 GLOB UNIF    WV 0 4
  2484  LOAD Y  651 701    3.55-    236   3.55-    222                 GLOB UNIF    WV 0 4
  2485  LOAD Z  651 701    3.55      17   3.55      16                 GLOB UNIF    WV 0 4
  2486  LOAD X  653 703    0.00      19   3.55      18                 GLOB UNIF    WV 0 4
  2487  LOAD Y  653 703    0.00-    251   3.55-    236                 GLOB UNIF    WV 0 4
  2488  LOAD Z  653 703    0.00      18   3.55      17                 GLOB UNIF    WV 0 4
  2489  LOAD X  653 703    3.55      18   3.55      17                 GLOB UNIF    WV 0 4
  2490  LOAD Y  653 703    3.55-    236   3.55-    222                 GLOB UNIF    WV 0 4
  2491  LOAD Z  653 703    3.55      17   3.55      16                 GLOB UNIF    WV 0 4
  2492  LOAD Y  656 706    0.00-    187   3.55-    175                 GLOB UNIF    WV 0 4
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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
2493	LOAD	Z	656	706	0.00-	31	3.55-	29	GLOB	UNIF	WV	0	4
2494	LOAD	Y	656	706	3.55-	175	3.55-	162	GLOB	UNIF	WV	0	4
2495	LOAD	Z	656	706	3.55-	29	3.55-	27	GLOB	UNIF	WV	0	4
2496	LOAD	X	701	801	0.00-	15	8.79-	13	GLOB	UNIF	WV	0	4
2497	LOAD	Y	701	801	0.00-	209	8.79-	183	GLOB	UNIF	WV	0	4
2498	LOAD	Z	701	801	0.00	15	8.79	13	GLOB	UNIF	WV	0	4
2499	LOAD	X	701	801	8.79-	13	8.79-	11	GLOB	UNIF	WV	0	4
2500	LOAD	Y	701	801	8.79-	183	8.79-	163	GLOB	UNIF	WV	0	4
2501	LOAD	Z	701	801	8.79	13	8.79	12	GLOB	UNIF	WV	0	4
2502	LOAD	X	701	801	17.57-	11	8.79-	10	GLOB	UNIF	WV	0	4
2503	LOAD	Y	701	801	17.57-	163	8.79-	146	GLOB	UNIF	WV	0	4
2504	LOAD	Z	701	801	17.57	12	8.79	11	GLOB	UNIF	WV	0	4
2505	LOAD	X	703	803	0.00	15	8.79	13	GLOB	UNIF	WV	0	4
2506	LOAD	Y	703	803	0.00-	209	8.79-	183	GLOB	UNIF	WV	0	4
2507	LOAD	Z	703	803	0.00	15	8.79	13	GLOB	UNIF	WV	0	4
2508	LOAD	X	703	803	8.79	13	8.79	11	GLOB	UNIF	WV	0	4
2509	LOAD	Y	703	803	8.79-	183	8.79-	163	GLOB	UNIF	WV	0	4
2510	LOAD	Z	703	803	8.79	13	8.79	12	GLOB	UNIF	WV	0	4
2511	LOAD	X	703	803	17.57	11	8.79	10	GLOB	UNIF	WV	0	4
2512	LOAD	Y	703	803	17.57-	163	8.79-	146	GLOB	UNIF	WV	0	4
2513	LOAD	Z	703	803	17.57	12	8.79	11	GLOB	UNIF	WV	0	4
2514	LOAD	Y	706	806	0.00-	157	8.79-	133	GLOB	UNIF	WV	0	4
2515	LOAD	Z	706	806	0.00-	26	8.79-	22	GLOB	UNIF	WV	0	4
2516	LOAD	Y	706	806	8.79-	133	8.79-	114	GLOB	UNIF	WV	0	4
2517	LOAD	Z	706	806	8.79-	22	8.79-	19	GLOB	UNIF	WV	0	4
2518	LOAD	Y	706	806	17.57-	114	8.79-	98	GLOB	UNIF	WV	0	4
2519	LOAD	Z	706	806	17.57-	19	8.79-	16	GLOB	UNIF	WV	0	4
2520	LOAD	X	801	901	0.00-	10	9.12-	08	GLOB	UNIF	WV	0	4
2521	LOAD	Y	801	901	0.00-	146	9.12-	132	GLOB	UNIF	WV	0	4
2522	LOAD	Z	801	901	0.00	11	9.12	10	GLOB	UNIF	WV	0	4
2523	LOAD	X	801	901	9.12-	08	9.12-	07	GLOB	UNIF	WV	0	4
2524	LOAD	Y	801	901	9.12-	132	9.12-	121	GLOB	UNIF	WV	0	4
2525	LOAD	Z	801	901	9.12	10	9.12	09	GLOB	UNIF	WV	0	4
2526	LOAD	X	801	901	18.25-	07	9.12-	05	GLOB	UNIF	WV	0	4
2527	LOAD	Y	801	901	18.25-	121	9.12-	112	GLOB	UNIF	WV	0	4
2528	LOAD	Z	801	901	18.25	09	9.12	09	GLOB	UNIF	WV	0	4
2529	LOAD	X	803	903	0.00	10	9.12	08	GLOB	UNIF	WV	0	4
2530	LOAD	Y	803	903	0.00-	146	9.12-	132	GLOB	UNIF	WV	0	4
2531	LOAD	Z	803	903	0.00	11	9.12	10	GLOB	UNIF	WV	0	4
2532	LOAD	X	803	903	9.12	08	9.12	07	GLOB	UNIF	WV	0	4
2533	LOAD	Y	803	903	9.12-	132	9.12-	121	GLOB	UNIF	WV	0	4
2534	LOAD	Z	803	903	9.12	10	9.12	09	GLOB	UNIF	WV	0	4
2535	LOAD	X	803	903	18.25	07	9.12	05	GLOB	UNIF	WV	0	4
2536	LOAD	Y	803	903	18.25-	121	9.12-	112	GLOB	UNIF	WV	0	4
2537	LOAD	Z	803	903	18.25	09	9.12	09	GLOB	UNIF	WV	0	4
2538	LOAD	Y	806	906	0.00-	98	13.69-	78	GLOB	UNIF	WV	0	4
2539	LOAD	Z	806	906	0.00-	16	13.69-	13	GLOB	UNIF	WV	0	4
2540	LOAD	Y	806	906	13.69-	78	13.69-	63	GLOB	UNIF	WV	0	4
2541	LOAD	Z	806	906	13.69-	13	13.69-	11	GLOB	UNIF	WV	0	4
2542	LOAD	X	9011001		0.00-	05	9.12-	04	GLOB	UNIF	WV	0	4

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         1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2543  LOAD Y  9011001    0.00-  112   9.12-   106              GLOB UNIF    WV 0 4
  2544  LOAD Z  9011001    0.00    09   9.12     06              GLOB UNIF    WV 0 4
  2545  LOAD X  9011001    9.12-   04   9.12-    02              GLOB UNIF    WV 0 4
  2546  LOAD Y  9011001    9.12-  106   9.12-    95              GLOB UNIF    WV 0 4
  2547  LOAD Z  9011001    9.12    08   9.12     08              GLOB UNIF    WV 0 4
  2548  LOAD X  9011001   18.25-   02   9.12                     GLOB UNIF    WV 0 4
  2549  LOAD Y  9011001   18.25-   95   9.12-    36              GLOB UNIF    WV 0 4
  2550  LOAD Z  9011001   18.25    06   9.12     03              GLOB UNIF    WV 0 4
  2551  LOAD X  9031003    0.00    05   9.12     04              GLOB UNIF    WV 0 4
  2552  LOAD Y  9031003    0.00-  112   9.12-   106              GLOB UNIF    WV 0 4
  2553  LOAD Z  9031003    0.00    09   9.12     06              GLOB UNIF    WV 0 4
  2554  LOAD X  9031003    9.12    04   9.12     02              GLOB UNIF    WV 0 4
  2555  LOAD Y  9031003    9.12-  106   9.12-    95              GLOB UNIF    WV 0 4
  2556  LOAD Z  9031003    9.12    08   9.12     06              GLOB UNIF    WV 0 4
  2557  LOAD X  9031003   18.25    02   9.12                     GLOB UNIF    WV 0 4
  2558  LOAD Y  9031003   18.25-   95   9.12-    36              GLOB UNIF    WV 0 4
  2559  LOAD Z  9031003   18.25    08   9.12     03              GLOB UNIF    WV 0 4
  2560  LOAD Y  9061006    0.00-   63   9.12-    55              GLOB UNIF    WV 0 4
  2561  LOAD Z  9061006    0.00-   11   9.12-    09              GLOB UNIF    WV 0 4
  2562  LOAD Y  9061006    9.12-   55   9.12-    41              GLOB UNIF    WV 0 4
  2563  LOAD Z  9061006    9.12-   09   9.12-    07              GLOB UNIF    WV 0 4
  2564  LOAD Y  9061006   18.25-   41   5.92                     GLOB UNIF    WV 0 4
  2565  LOAD Y  9061006   24.17         3.20     22              GLOB UNIF    WV 0 4
  2566  LOAD Z  9061006   18.25-   07   5.91                     GLOB UNIF    WV 0 4
  2567  LOAD Z  9061006   24.16         3.22     04              GLOB UNIF    WV 0 4
  2568  LOADCN   5
  2569  LOAD Z  101 102    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2570  LOAD Z  102 103    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2571  LOAD Z  103 105    0.00 -.055  14.49  -.055              GLOB UNIF    DL 0 5
  2572  LOAD Z  105 106    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2573  LOAD Z  101 104    0.00 -.055  14.49  -.055              GLOB UNIF    DL 0 5
  2574  LOAD Z  104 106    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2575  LOAD Z  102 104    0.00 -.024  14.49  -.024              GLOB UNIF    DL 0 5
  2576  LOAD Z  102 105    0.00 -.024  14.49  -.024              GLOB UNIF    DL 0 5
  2577  LOAD Z  104 105    0.00 -.024  14.50  -.024              GLOB UNIF    DL 0 5
  2578  LOAD Z  106 201    0.00 -.065  32.65  -.065              GLOB UNIF    DL 0 5
  2579  LOAD Z  201 202    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2580  LOAD Z  202 203    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2581  LOAD Z  203 205    0.00 -.073  14.49  -.073              GLOB UNIF    DL 0 5
  2582  LOAD Z  205 206    0.00 -.073  14.50  -.073              GLOB UNIF    DL 0 5
  2583  LOAD Z  201 204    0.00 -.055  14.49  -.055              GLOB UNIF    DL 0 5
  2584  LOAD Z  204 206    0.00 -.055  14.50  -.055              GLOB UNIF    DL 0 5
  2585  LOAD Z  202 204    0.00 -.024  14.49  -.024              GLOB UNIF    DL 0 5
  2586  LOAD Z  202 205    0.00 -.024  14.49  -.024              GLOB UNIF    DL 0 5
  2587  LOAD Z  204 205    0.00 -.024  14.50  -.024              GLOB UNIF    DL 0 5
  2588  LOAD Z  201 303    0.00 -.096  26.73  -.096              GLOB UNIF    DL 0 5
  2589  LOAD Z  201 303   28.73 -.039   3.92  -.039              GLOB UNIF    DL 0 5
  2590  LOAD Z  203 306    0.00 -.096  26.73  -.096              GLOB UNIF    DL 0 5
  2591  LOAD Z  203 306   28.73 -.039   3.92  -.039              GLOB UNIF    DL 0 5
  2592  LOAD Z  206 301    0.00 -.096  28.73  -.096              GLOB UNIF    DL 0 5
```

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2593  LOAD Z  206 301   28.73  -.039    3.92  -.039             GLOB UNIF     DL 0 5
  2594  LOAD Z  301 403    0.00  -.009   40.66  -.009             GLOB UNIF     DL 0 5
  2595  LOAD Z  301 303    0.00  -.009   29.00  -.009             GLOB UNIF     DL 0 5
  2596  LOAD Z  303 306    0.00  -.009   29.00  -.009             GLOB UNIF     DL 0 5
  2597  LOAD Z  301 306    0.00  -.009   29.00  -.009             GLOB UNIF     DL 0 5
  2598  LOAD Z  501 502    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2599  LOAD Z  502 503    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2600  LOAD Z  503 505    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2601  LOAD Z  505 506    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2602  LOAD Z  501 504    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2603  LOAD Z  504 506    0.00  -.013   15.15  -.013             GLOB UNIF     DL 0 5
  2604  LOAD Z  502 504    0.00  -.009   15.15  -.009             GLOB UNIF     DL 0 5
  2605  LOAD Z  502 505    0.00  -.009   15.15  -.009             GLOB UNIF     DL 0 5
  2606  LOAD Z  504 505    0.00  -.009   15.14  -.009             GLOB UNIF     DL 0 5
  2607  LOAD Z  501 507    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2608  LOAD Z  507 510    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2609  LOAD Z  503 508    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2610  LOAD Z  508 511    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2611  LOAD Z  506 509    0.00  -.148    2.01  -.148             GLOB UNIF     DL 0 5
  2612  LOAD Z  509 512    0.00  -.148    2.01  -.148             GLOB UNIF     DL 0 5
  2613  LOAD Z  501 513    0.00  -.009    3.00  -.009             GLOB UNIF     DL 0 5
  2614  LOAD Z  503 514    0.00  -.009    3.00  -.009             GLOB UNIF     DL 0 5
  2615  LOAD Z  513 651    0.00   .020   18.00   .020             GLOB UNIF     DL 0 5
  2616  LOAD Z  514 653    0.00   .020   18.00   .020             GLOB UNIF     DL 0 5
  2617  LOAD Z  601 611    0.00  -.049    6.00  -.049             GLOB UNIF     DL 0 5
  2618  LOAD Z  603 613    0.00  -.049    6.00  -.049             GLOB UNIF     DL 0 5
  2619  LOAD Z  651 661    0.00  -.049    5.00  -.049             GLOB UNIF     DL 0 5
  2620  LOAD Z  653 663    0.00  -.049    5.00  -.049             GLOB UNIF     DL 0 5
  2621  LOAD Z  611 612    0.00  -.017   16.01  -.017             GLOB UNIF     DL 0 5
  2622  LOAD Z  612 613    0.00  -.017   16.01  -.017             GLOB UNIF     DL 0 5
  2623  LOAD Z  661 662    0.00  -.017   17.75  -.017             GLOB UNIF     DL 0 5
  2624  LOAD Z  662 663    0.00  -.017   17.75  -.017             GLOB UNIF     DL 0 5
  2625  LOAD Z  611 661    0.00  -.049   12.13  -.049             GLOB UNIF     DL 0 5
  2626  LOAD Z  612 662    0.00  -.049   12.00  -.049             GLOB UNIF     DL 0 5
  2627  LOAD Z  613 663    0.00  -.049   12.13  -.049             GLOB UNIF     DL 0 5
  2628  LOAD Z  501 642    0.00   .010   20.25   .010             GLOB UNIF     DL 0 5
  2629  LOAD Z  503 645    0.00   .010   20.25   .010             GLOB UNIF     DL 0 5
  2630  LOAD Z  506 644    0.00   .010   20.24   .010             GLOB UNIF     DL 0 5
  2631  LOAD Z  642 703    0.00   .010   21.93   .010             GLOB UNIF     DL 0 5
  2632  LOAD Z  645 705    0.00   .010   21.93   .010             GLOB UNIF     DL 0 5
  2633  LOAD Z  644 701    0.00   .010   21.94   .010             GLOB UNIF     DL 0 5
  2634  LOAD Z  701 702    0.00   .007   18.76   .007             GLOB UNIF     DL 0 5
  2635  LOAD Z  702 703    0.00   .007   18.76   .007             GLOB UNIF     DL 0 5
  2636  LOAD Z  703 705    0.00   .007   18.76   .007             GLOB UNIF     DL 0 5
  2637  LOAD Z  705 706    0.00   .007   18.75   .007             GLOB UNIF     DL 0 5
  2638  LOAD Z  701 704    0.00   .007   18.76   .007             GLOB UNIF     DL 0 5
  2639  LOAD Z  704 706    0.00   .007   18.75   .007             GLOB UNIF     DL 0 5
  2640  LOAD Z  701 707    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2641  LOAD Z  707 710    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
  2642  LOAD Z  703 708    0.00  -.148    2.00  -.148             GLOB UNIF     DL 0 5
```

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NU. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2043  LOAD 2  708 711   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2044  LOAD 2  705 709   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2045  LOAD 2  709 712   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2046  LOAD 2  701 806   0.00   .010  48.82   .010               GLOB UNIF    DL 0 5
  2047  LOAD 2  703 801   0.00   .010  48.83   .010               GLOB UNIF    DL 0 5
  2048  LOAD 2  706 803   0.00   .010  48.83   .010               GLOB UNIF    DL 0 5
  2049  LOAD 2  801 802   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2050  LOAD 2  802 803   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2051  LOAD 2  803 805   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2052  LOAD 2  805 806   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2053  LOAD 2  801 804   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2054  LOAD 2  804 806   0.00   .007  22.51   .007               GLOB UNIF    DL 0 5
  2055  LOAD 2  801 807   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2056  LOAD 2  807 810   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2057  LOAD 2  803 808   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2058  LOAD 2  808 811   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2059  LOAD 2  806 809   0.00  -.148   2.01  -.148               GLOB UNIF    DL 0 5
  2060  LOAD 2  809 812   0.00  -.148   2.01  -.148               GLOB UNIF    DL 0 5
  2061  LOAD 2  801 903   0.00   .010  55.92   .010               GLOB UNIF    DL 0 5
  2062  LOAD 2  803 906   0.00   .010  55.92   .010               GLOB UNIF    DL 0 5
  2063  LOAD 2  906 901   0.00   .010  55.92   .010               GLOB UNIF    DL 0 5
  2064  LOAD 2  901 902   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2065  LOAD 2  902 903   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2066  LOAD 2  903 905   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2067  LOAD 2  905 906   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2068  LOAD 2  901 904   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2069  LOAD 2  904 905   0.00  -.004  26.41  -.004               GLOB UNIF    DL 0 5
  2070  LOAD 2  901 907   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2071  LOAD 2  907 910   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2072  LOAD 2  903 908   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2073  LOAD 2  908 911   0.00  -.148   2.00  -.148               GLOB UNIF    DL 0 5
  2074  LOAD 2  906 909   0.00  -.148   2.20  -.148               GLOB UNIF    DL 0 5
  2075  LOAD 2  909 912   0.00  -.148   2.20  -.148               GLOB UNIF    DL 0 5
  2076  LOAD 2  9011002   0.00  -.013  37.84  -.013               GLOB UNIF    DL 0 5
  2077  LOAD 2  9031002   0.00  -.013  37.84  -.013               GLOB UNIF    DL 0 5
  2078  LOAD 2  9031005   0.00  -.013  37.84  -.013               GLOB UNIF    DL 0 5
  2079  LOAD 2  9061005   0.00  -.013  37.83  -.013               GLOB UNIF    DL 0 5
  2080  LOAD 2  9011004   0.00  -.013  37.84  -.013               GLOB UNIF    DL 0 5
  2081  LOAD 2  9061004   0.00  -.013  37.83  -.013               GLOB UNIF    DL 0 5
  2082  LOAD 2 10011002   0.00   .010  30.51   .010               GLOB UNIF    DL 0 5
  2083  LOAD 2 10021003   0.00   .010  30.51   .010               GLOB UNIF    DL 0 5
  2084  LOAD 2 10031005   0.00   .010  30.51   .010               GLOB UNIF    DL 0 5
  2085  LOAD 2 10051006   0.00   .010  30.50   .010               GLOB UNIF    DL 0 5
  2086  LOAD 2 10011004   0.00   .010  30.51   .010               GLOB UNIF    DL 0 5
  2087  LOAD 2 10041006   0.00   .010  30.50   .010               GLOB UNIF    DL 0 5
  2088  LOAD 2 10021004   0.00   .014  30.51   .014               GLOB UNIF    DL 0 5
  2089  LOAD 2 10021005   0.00   .014  30.51   .014               GLOB UNIF    DL 0 5
  2090  LOAD 2 10041005   0.00   .014  30.50   .014               GLOB UNIF    DL 0 5
  2091  LOAD 2 10011007   0.00  -.148   1.99  -.148               GLOB UNIF    DL 0 5
  2092  LOAD 2 10071010   0.00  -.148   1.99  -.148               GLOB UNIF    DL 0 5
```

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.										
2693	LOAD Z	10031008	0.00	-.148	1.99	-.148	GLOB UNIF	DL	0	5
2694	LOAD Z	10081011	0.00	-.148	1.99	-.148	GLOB UNIF	DL	0	5
2695	LOAD Z	10061009	0.00	-.148	2.01	-.148	GLOB UNIF	DL	0	5
2696	LOAD Z	10091012	0.00	-.148	2.01	-.148	GLOB UNIF	DL	0	5
2697	LOAD Z	101 201	0.00	-.310	15.00	-.310	GLOB UNIF	DL	0	5
2698	LOAD Z	103 203	0.00	-.310	15.00	-.310	GLOB UNIF	DL	0	5
2699	LOAD Z	106 206	0.00	-.310	15.00	-.310	GLOB UNIF	DL	0	5
2700	LOAD Z	201 301	0.00	-.310	13.20	-.310	GLOB UNIF	DL	0	5
2701	LOAD Z	201 301	13.20	.004	1.80	.004	GLOB UNIF	DL	0	5
2702	LOAD Z	203 303	0.00	-.310	13.20	-.310	GLOB UNIF	DL	0	5
2703	LOAD Z	203 303	13.20	.004	1.80	.004	GLOB UNIF	DL	0	5
2704	LOAD Z	206 306	0.00	-.310	13.20	-.310	GLOB UNIF	DL	0	5
2705	LOAD Z	206 306	13.20	.004	1.80	.004	GLOB UNIF	DL	0	5
2706	LOAD Z	301 401	0.00	.004	28.50	.004	GLOB UNIF	DL	0	5
2707	LOAD Z	303 403	0.00	.004	28.50	.004	GLOB UNIF	DL	0	5
2708	LOAD Z	306 406	0.00	.004	28.50	.004	GLOB UNIF	DL	0	5
2709	LOAD Z	401 501	0.00	-.423	4.56	-.423	GLOB UNIF	DL	0	5
2710	LOAD Z	403 503	0.00	-.423	4.56	-.423	GLOB UNIF	DL	0	5
2711	LOAD Z	406 506	0.00	-.423	4.56	-.423	GLOB UNIF	DL	0	5
2712	LOAD Z	501 601	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2713	LOAD Z	503 603	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2714	LOAD Z	506 606	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2715	LOAD Z	601 641	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2716	LOAD Z	603 643	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2717	LOAD Z	606 646	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2718	LOAD Z	641 651	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2719	LOAD Z	643 653	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2720	LOAD Z	646 656	0.00	-.423	6.08	-.423	GLOB UNIF	DL	0	5
2721	LOAD Z	651 701	0.00	-.423	7.10	-.423	GLOB UNIF	DL	0	5
2722	LOAD Z	653 703	0.00	-.423	7.10	-.423	GLOB UNIF	DL	0	5
2723	LOAD Z	656 706	0.00	-.423	7.10	-.423	GLOB UNIF	DL	0	5
2724	LOAD Z	701 801	0.00	-.209	26.36	-.209	GLOB UNIF	DL	0	5
2725	LOAD Z	703 803	0.00	-.209	26.36	-.209	GLOB UNIF	DL	0	5
2726	LOAD Z	706 806	0.00	-.209	26.36	-.209	GLOB UNIF	DL	0	5
2727	LOAD Z	801 901	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2728	LOAD Z	803 903	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2729	LOAD Z	806 906	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2730	LOAD Z	9011001	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2731	LOAD Z	9031003	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2732	LOAD Z	9061006	0.00	-.209	27.37	-.209	GLOB UNIF	DL	0	5
2733	LOAD Z	401 510	0.00	-.654	4.55	-.654	GLOB UNIF	DL	0	5
2734	LOAD Z	403 511	0.00	-.654	4.55	-.654	GLOB UNIF	DL	0	5
2735	LOAD Z	406 512	0.00	-.654	4.55	-.654	GLOB UNIF	DL	0	5
2736	LOAD Z	510 710	0.00	-.654	25.34	-.654	GLOB UNIF	DL	0	5
2737	LOAD Z	511 711	0.00	-.654	25.34	-.654	GLOB UNIF	DL	0	5
2738	LOAD Z	512 712	0.00	-.654	25.35	-.654	GLOB UNIF	DL	0	5
2739	LOAD Z	710 810	0.00	-.743	26.36	-.743	GLOB UNIF	DL	0	5
2740	LOAD Z	711 811	0.00	-.743	26.36	-.743	GLOB UNIF	DL	0	5
2741	LOAD Z	712 812	0.00	-.743	26.36	-.743	GLOB UNIF	DL	0	5
2742	LOAD Z	810 910	0.00	-.743	27.37	-.743	GLOB UNIF	DL	0	5

```
                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   2743  LOAD 4  811 911    0.00  -.743  27.37  -.743                 GLOB UNIF    DL 0 5
   2744  LOAD 4  812 912    0.00  -.743  27.37  -.743                 GLOB UNIF    DL 0 5
   2745  LOAD 4  9101010    0.00  -.874  27.37  -.874                 GLOB UNIF    DL 0 5
   2746  LOAD 4  9111011    0.00  -.874  27.37  -.874                 GLOB UNIF    DL 0 5
   2747  LOAD 4  9121012    0.00  -.874  27.37  -.874                 GLOB UNIF    DL 0 5
   2748  END
```

APPENDIX B.2

STRAN - 50 Year Storm

```
                    ****************************************
                    *                                      *
                    *               STRAN                  *
                    * A SYNERCOM TECHNOLOGY, INC. DEVELOPMENT *
                    *          RELEASE 6  MOD 14           *
                    *             JUNE 1976                *
                    *                                      *
                    ****************************************

                                                                            DATE  06/27/76
        U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
                                  PLATFORM ANALYSIS
             LOAD COND  1  =   50.0 DEG   50 YR STORM - WAVE/WIND ON PLATFORM
             LOAD COND  2  =   90.0 DEG   50 YR STORM - WAVE/WIND ON PLATFORM
             LOAD COND  3  =  240.0 DEG   50 YR STORM - WAVE/WIND ON PLATFORM
             LOAD COND  4  =  270.0 DEG   50 YR STORM - WAVE/WIND ON PLATFORM
            LOAD COND  5  =              DEAD LOAD ON JACKET                 *
            LOAD COND  6  =                1     +     5                     *
            LOAD COND  7  =                2     +     5                     *
            LOAD COND  8  =                3     +     5                     *
            LOAD COND  9  =                4     +     5                     *
                               AUGUST, 1976

                           ***PROGRAM OPTIONS***

THE FOLLOWING OPTIONS HAVE BEEN REQUESTED FOR THIS ANALYSIS

INPUT
        ....CARD PLUS DATA FILE INPUT

INPUT UNITS
        ....ENGLISH

OUTPUT UNITS
        ....ENGLISH

EXECUTION
        ....UNITY CHECK
            ..UNITY CHECKS COMPUTED BY AMERICAN PETROLEUM
              INSTITUTE REPORT API-RP-2A, JAN 75, SECTIONS
              2.18, 2.19.  RESULTS INVALID FOR A514 STEEL.
        ....NO. OF SEGMENTS          4
        ....VARBL MEMB, SEGMENTS/SECT 1

LOAD
        ....NO. BASIC LOAD CONDS.      5
        ....NO. COMBINED LOAD CONDS.   4

REPORT
        ....INPUT ECHO AND GROUP PROP        PRINT
        ....JOINT DEFLECTIONS                PRINT
        ....GROUP AND UN CHK SUMMARY         PRINT
        ....MEMBER STRESS REPORT NO.  1      PRINT
        ....MEMBER STRESS REPORT NO.  2      PRINT
        ....MEMBER STRESS REPORT NO.  3      PRINT
        ....MEMBER DETAIL REPORT             PRINT
        ....REACTION FORCES AND MOMTS        PRINT
        ....EQUILIBRIUM CHECK                PRINT
```

....FORCES 50.00 LB
....MOMENTS 100.00 IN-LB

ALLOWABLE STRESS INCREASE FACTORS

....LOAD CONDITION	6	1.330
....LOAD CONDITION	7	1.330
....LOAD CONDITION	8	1.330
....LOAD CONDITION	9	1.330

S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
TUBULAR MEMBER PROPERTIES

*** E = 29000000.0 PSI, G = 11600000.0 PSI ***

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
086	1	-0.00	.500	8.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	-0.00
106	1	-0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	-0.00
120	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	-0.00
120	1	-0.00	.750	12.75	28.27	1021.85	510.93	510.93	36.0	.8	1.0	14.14	-0.00
123	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
125	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
127	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
137	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.6	.8	7.29	-0.00
148	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
149	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
140	1	-0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	-0.00
160	1	-0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	.8	15.09	-0.00
165	1	-0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	.8	1.0	15.09	-0.00
168	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.6	.8	7.29	-0.00
169	1	-0.00	.500	14.00	21.21	967.51	483.76	483.76	36.0	1.6	.8	10.60	-0.00
200	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	-0.00
200	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	1.6	.8	19.02	-0.00
DKL	1	-0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	-0.00
P1	1	-0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	-0.00
P2	1	-0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	-0.00
P3	1	-0.00	2.375	42.00	295.65	116471.24	58235.62	58235.62	36.0	1.0	1.0	147.83	-0.00
JL4	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL5	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL6	1	-0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	.8	1.0	71.47	-0.00
JL7	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL8	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
JL9	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	.8	1.0	35.34	-0.00
DUM	1	-0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	-0.00

S T R A N - G R O U P P R O P E R T I E S R E P O R T

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
W18	1	-0.00	.570	7.50	.358	.500	18.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W21	1	-0.00	.740	8.30	.455	.640	21.24	21.50	3.02	1600.00	70.60	36.0	2.0	.5	.01	-0.00

S T R A N - G R O U P P R O P E R T I E S R E P O R T

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM
PRISMATIC SECTION MEMBERS

GRP	M/S	JOINT THICK FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***												
WHN	1	-0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	-0.00

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1  OPTIONS  6 7 8 9
  2  AMOD
  3  AMOD       6 1.33   7 1.33   8 1.33   9 1.33
  4  SECT
  5  SECT W18WBON   PRI  5000 3000000 3000000 3000000   1000        500
  6  SECT W18X50    WFC  1620     125   80200    4020    750  570  1600  358   50
  7  SECT W8X24     WFC   706      34    8250    1820    650  398   793  245   50
  8  SECT W6X15     WFC   456      11    3010     967    600  269   600  235   50
  9  SECT W21X73    WFC  2150     302  160000    7060    830 0740  2124 0455  064
 10  GROP
 11  GROP 096            862   500  29  116  36          100 100      5000
 12  GROP 106           1075   844  29  116  36          100 100      5000
 13  GROP 120           1275   500  29  116  36           80 100      5000
 14  GROP 120           1275   750                        80 100      5000
 15  GROP 123           1275   500  29  116  36           80  80      5000
 16  GROP 125           1275   500  29  116  36           80  80      5000
 17  GROP 127           1075   365                        80  80      5000
 18  GROP 137           1275   375                       160  80      5000
 19  GROP 146           1075   365                        80  80      5000
 20  GROP 149           1075   365                        80  80      5000
 21  GROP 140           1400   375  29  116  36           80  80      5000
 22  GROP 150           1600   625                        80  80      5000
 23  GROP 165           1600   625                        80 100      5000
 24  GROP 158           1275   375                       160  80      5000
 25  GROP 169           1400   500                       160  80      5000
 26  GROP 200           2000   625  29  116  36           80  80      5000
 27  GROP 230           2000   625  29  116  36          160  80      5000
 28  GROP DAL           3000  1000  29  116  36          100 100      5000
 29  GROP  P1           4200  1750  29  116  36          100 100      5000
 30  GROP  P2           4200  2000  29  116  36          100 100      5000
 31  GROP  P3           4200  2375                       100 100      5000
 32  GROP JL4           4650  1000                        80 100      5000
 33  GROP JL5           4650  1000                        80 100      5000
 34  GROP JL6           4650  1000                        80 100      5000
 35  GROP JL7           4550   500                        80 100      5000
 36  GROP JL8           4550   500                        80 100      5000
 37  GROP JL9           4550   500                        80 100      5000
 38  GROP BOM           1800   500  29  116  36          100 100      5000
 39  GROP WHN W18WBON              29  116  36
 40  GROP W10 W18X50               29  116  36          200  50   01
 41  GROP W08 W8X24                29  116  36          100 100   01
 42  GROP W21 W21X73               29  116  36          200  50   01
 43  MEMBER
 44  MEMBER  101 102 W18                                                  1800
 45  MEMBER  102 103 W18                                                  1800
 46  MEMBER  103 105 W18                                                  1800
 47  MEMBER  105 106 W18                                                  1800
 48  MEMBER  101 104 W18                                                  1800
 49  MEMBER  104 106 W18                                                  1800
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    50  MEMBER   102 104 808                                                  0800
    51  MEMBER   102 105 808                                                  0800
    52  MEMBER   104 105 808                                                  0800
    53  MEMBER   106 201 120SK     111   111                                  2400
    54  MEMBER   201 202 818                                                  1800
    55  MEMBER   202 203 818                                                  1800
    56  MEMBER   203 205 821                                                  2100
    57  MEMBER   205 206 821                                                  2100
    58  MEMBER   201 204 818                                                  1800
    59  MEMBER   204 206 818                                                  1800
    60  MEMBER   202 204 808                                                  0800
    61  MEMBER   202 205 808                                                  0800
    62  MEMBER   204 205 808                                                  0800
    63  MEMBER   201 303 120                                                  4300
    64  MEMBER   203 306 120                                                  4300
    65  MEMBER   206 301 120                                                  4300
    66  MEMBER   301 403 120SK     111   111                                  2400
    67  MEMBER   301 303 123                                                  2100
    68  MEMBER   303 306 123                                                  2100
    69  MEMBER   301 306 123                                                  2100
    70  MEMBER   501 502 165                                                  1600
    71  MEMBER   502 503 165                                                  1600
    72  MEMBER   503 505 165                                                  1600
    73  MEMBER   505 506 165                                                  1600
    74  MEMBER   501 504 165                                                  1600
    75  MEMBER   504 506 165                                                  1600
    76  MEMBER   502 504 125                                                  1275
    77  MEMBER   502 505 125                                                  1275
    78  MEMBER   504 505 125                                                  1275
    79  MEMBER   501 507 868SK                                                0000
    80  MEMBER   507 510 868SK          1111                                  0000
    81  MEMBER   503 506 868SK                                                0000
    82  MEMBER   508 511 868SK          1111                                  0000
    83  MEMBER   505 509 868SK                                                0000
    84  MEMBER   509 512 868SK          1111                                  0000
    85  MEMBER   501 513 125SK                                                1200
    86  MEMBER   503 514 125SK                                                1200
    87  MEMBER   513 651 808SK                                                4000
    88  MEMBER   514 653 808SK                                                4000
    89  MEMBER   661 611 106SK                                                1400
    90  MEMBER   663 613 106SK                                                1400
    91  MEMBER   651 661 106SK
    92  MEMBER   653 663 106SK
    93  MEMBER   611 612 086SK                                                1200
    94  MEMBER   612 613 086SK                                                1200
    95  MEMBER   661 662 [illegible]                                          2000
    96  MEMBER   662 663 [illegible]                                          2000
    97  MEMBER   511 661 106SK                                                3000
    98  MEMBER   512 662 106SK                                                2000
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    99  MEMBER  613 603 106SK                                                    3000
   100  MEMBER  501 642 200                                                      2000
   101  MEMBER  503 645 200                                                      2000
   102  MEMBER  506 644 200                                                      2000
   103  MEMBER  642 703 200                                                      3032
   104  MEMBER  645 705 200                                                      3032
   105  MEMBER  644 701 200                                                      3032
   106  MEMBER  701 702 137                                                      2033
   107  MEMBER  702 703 137                                                      2033
   108  MEMBER  703 705 137                                                      2033
   109  MEMBER  705 706 137                                                      2033
   110  MEMBER  701 704 137                                                      2033
   111  MEMBER  704 706 137                                                      2033
   112  MEMBER  702 704 127                                                      1757
   113  MEMBER  702 705 127                                                      1757
   114  MEMBER  704 705 127                                                      1757
   115  MEMBER  701 707 8DNSK                                                    0000
   116  MEMBER  707 710 8DNSK          1111                                      0000
   117  MEMBER  703 708 8DNSK                                                    0000
   118  MEMBER  708 711 8DNSK          1111                                      0000
   119  MEMBER  706 709 8DNSK                                                    0000
   120  MEMBER  709 712 8DNSK          1111                                      0000
   121  MEMBER  701 806 200                                                      3032
   122  MEMBER  703 801 200                                                      3032
   123  MEMBER  706 803 200                                                      3032
   124  MEMBER  801 802 168                                                      2033
   125  MEMBER  802 803 168                                                      2033
   126  MEMBER  803 805 168                                                      2033
   127  MEMBER  805 806 168                                                      2033
   128  MEMBER  801 804 168                                                      2033
   129  MEMBER  804 806 168                                                      2033
   130  MEMBER  802 804 148                                                      1757
   131  MEMBER  802 805 148                                                      1757
   132  MEMBER  804 805 148                                                      1757
   133  MEMBER  801 807 8DNSK                                                    0000
   134  MEMBER  807 810 8DNSK          1111                                      0000
   135  MEMBER  803 808 8DNSK                                                    0000
   136  MEMBER  808 811 8DNSK          1111                                      0000
   137  MEMBER  806 809 8DNSK                                                    0000
   138  MEMBER  809 812 8DNSK          1111                                      0000
   139  MEMBER  801 903 200                                                      3032
   140  MEMBER  803 906 200                                                      3032
   141  MEMBER  806 901 200                                                      3032
   142  MEMBER  901 902 169                                                      2205
   143  MEMBER  902 903 169                                                      2205
   144  MEMBER  903 905 169                                                      2205
   145  MEMBER  905 906 169                                                      2205
   146  MEMBER  901 904 169                                                      2205
   147  MEMBER  904 906 169                                                      2205
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                                        S T R A N   I N P U T   D A T A

                                                                                                    PAGE     4
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                          U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    148   MEMBER   902 904 149                                                     1757
    149   MEMBER   902 905 149                                                     1757
    150   MEMBER   904 905 149                                                     1757
    151   MEMBER   901 907 MBNSK                                                   0000
    152   MEMBER   907 910 MBNSK        1111                                       0000
    153   MEMBER   903 908 MBNSK                                                   0000
    154   MEMBER   908 911 MBNSK        1111                                       0000
    155   MEMBER   906 909 MBNSK                                                   0000
    156   MEMBER   909 912 MBNSK        1111                                       0000
    157   MEMBER   9011002 160                                                     2481
    158   MEMBER   9031002 160                                                     2481
    159   MEMBER   9031005 160                                                     2481
    160   MEMBER   9061005 160                                                     2481
    161   MEMBER   9011004 160                                                     2481
    162   MEMBER   9061004 160                                                     2481
    163   MEMBER  10011002 200                                                     3032
    164   MEMBER  10021003 200                                                     3032
    165   MEMBER  10031005 200                                                     3032
    166   MEMBER  10051006 200                                                     3032
    167   MEMBER  10011004 200                                                     3032
    168   MEMBER  10041006 200                                                     3032
    169   MEMBER  10021004 140                                                     2205
    170   MEMBER  10021005 140                                                     2205
    171   MEMBER  10041005 140                                                     2205
    172   MEMBER  10011007 MBNSK                                                   0000
    173   MEMBER  10071010 MBNSK        1111                                       0000
    174   MEMBER  10031008 MBNSK                                                   0000
    175   MEMBER  10081011 MBNSK        1111                                       0000
    176   MEMBER  10061009 MBNSK                                                   0000
    177   MEMBER  10091012 MBNSK        1111                                       0000
    178   MEMBER   101 201 DKL
    179   MEMBER   103 203 DKL
    180   MEMBER   106 206 DKL                                                     3000
    181   MEMBER   201 301 DKL                                                     3000
    182   MEMBER   203 303 DKL                                                     3000
    183   MEMBER   206 306 DKL                                                     3000
    184   MEMBER   301 401 DKL                                                     3000
    185   MEMBER   303 403 DKL                                                     3000
    186   MEMBER   306 406 DKL                                                     3000
    187   MEMBER   401 501 JL4                                                   F 4750
    188   MEMBER   403 503 JL4                                                   F 4750
    189   MEMBER   406 506 JL4                                                   F 4750
    190   MEMBER   501 601 JL5                                                   F 4750
    191   MEMBER   503 603 JL5                                                   F 4750
    192   MEMBER   506 606 JL5                                                   F 4750
    193   MEMBER   601 641 JL6                                                   F 4750
    194   MEMBER   603 643 JL6                                                   F 4750
    195   MEMBER   606 646 JL6                                                   F 4750
    196   MEMBER   641 651 JL6                                                   F 6823
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   197  MEMBER  643 653 JL6                                                  F 6823
   198  MEMBER  646 656 JL6                                                  F 6823
   199  MEMBER  651 701 JL6                                                  F 6823
   200  MEMBER  653 703 JL6                                                  F 6823
   201  MEMBER  656 706 JL6                                                  F 6823
   202  MEMBER  701 801 JL7                                                  F 6547
   203  MEMBER  703 803 JL7                                                  F 6547
   204  MEMBER  706 806 JL7                                                  F 6547
   205  MEMBER  801 901 JL8                                                  F 6547
   206  MEMBER  803 903 JL8                                                  F 6547
   207  MEMBER  806 906 JL8                                                  F 6547
   208  MEMBER  9011001 JL9                                                  F 6547
   209  MEMBER  9031003 JL9                                                  F 6547
   210  MEMBER  9061006 JL9                                                  F 6547
   211  MEMBER  401 510  P1                                                  F 0000 1
   212  MEMBER  403 511  P1                                                  F 0000 2
   213  MEMBER  406 512  P1                                                  F 0000 3
   214  MEMBER  510 710  P1                                                  F 0000 1
   215  MEMBER  511 711  P1                                                  F 0000 2
   216  MEMBER  512 712  P1                                                  F 0000 3
   217  MEMBER  710 810  P2                                                  F 0000 1
   218  MEMBER  711 811  P2                                                  F 0000 2
   219  MEMBER  712 812  P2                                                  F 0000 3
   220  MEMBER  810 910  P2                                                  F 0000 1
   221  MEMBER  811 911  P2                                                  F 0000 2
   222  MEMBER  812 912  P2                                                  F 0000 3
   223  MEMBER  9101010  P3                                                  F 0000 1
   224  MEMBER  9111011  P3                                                  F 0000 2
   225  MEMBER  9121012  P3                                                  F 0000 3
   226  FOUND
   227  CARG       4      0.05      0.05     0.005
   228  PILE    1010     200.0      29.0      11.6
   229  PROP              42.0      42.0     2.375      20.0
   230  PROP              42.0      42.0      1.75      70.0
   231  PROP              42.0      42.0       1.5     120.0
   232  PROP              42.0      42.0       1.5     200.0
   233  PY         2       0.0
   234  FORCE              0.0       0.0
   235  DEFL               0.0      20.0
   236  PY         2       5.0
   237  FORCE              0.0       0.0
   238  DEFL               0.0      20.0
   239  PY         8       8.0
   240  FORCE              0.0     0.107     0.129     0.153     0.169     0.188
   241  FORCE            0.237     0.237
   242  DEFL               0.0     0.049      0.12      0.27      0.43      0.70
   243  DEFL              1.58      20.0
   244  PY         8      14.0
   245  FORCE              0.0     0.366     0.611     0.906     1.136     1.440
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

246	FORCE		2.274	2.274				
247	DEFL		0.0	0.036	0.11	0.26	0.42	0.70
248	DEFL		1.58	20.0				
249	PY	6	24.0					
250	FORCE		0.0	1.204	1.681	2.347	2.896	3.644
251	FORCE		5.630	5.630				
252	DEFL		0.0	0.069	0.14	0.28	0.43	0.70
253	DEFL		1.58	20.0				
254	PY	6	33.0					
255	FORCE		0.0	2.769	3.444	4.456	5.337	6.572
256	FORCE		10.515	10.515				
257	DEFL		0.0	0.12	0.18	0.31	0.45	0.70
258	DEFL		1.58	20.0				
259	PY	7	33.08					
260	FORCE		0.0	1.354	1.838	2.494	3.384	4.594
261	FORCE		4.594					
262	DEFL		0.0	0.064	0.16	0.40	1.01	2.52
263	DEFL		20.0					
264	PY	7	45.0					
265	FORCE		0.0	2.321	3.150	4.275	5.802	7.875
266	FORCE		7.875					
267	DEFL		0.0	0.064	0.16	0.40	1.01	2.52
268	DEFL		20.0					
269	PY	8	45.08					
270	FORCE		0.0	2.532	3.433	4.719	5.791	7.259
271	FORCE		11.615	11.615				
272	DEFL		0.0	0.078	0.15	0.29	0.44	0.70
273	DEFL		1.58	20.0				
274	PY	8	65.0					
275	FORCE		0.0	3.542	4.840	6.680	8.210	10.303
276	FORCE		16.485	16.485				
277	DEFL		0.0	0.075	0.15	0.28	0.44	0.70
278	DEFL		1.58	20.0				
279	PY	8	90.0					
280	FORCE		0.0	4.756	6.551	9.079	11.176	14.040
281	FORCE		22.464	22.464				
282	DEFL		0.0	0.073	0.14	0.28	0.44	0.70
283	DEFL		1.58	20.0				
284	PY	8	90.08					
285	FORCE		0.0	1.499	3.003	4.689	5.988	7.706
286	FORCE		12.329	12.329				
287	DEFL		0.0	0.023	0.098	0.25	0.41	0.70
288	DEFL		1.58	20.0				
289	PY	8	95.0					
290	FORCE		0.0	1.581	3.167	4.945	6.314	8.126
291	FORCE		13.001	13.001				
292	DEFL		0.0	0.023	0.098	0.25	0.41	0.70
293	DEFL		1.58	20.0				
294	PY	8	114.0					

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
295	FORCE		0.0	1.838	3.728	5.833	7.452	9.594	
296	FORCE		15.350	15.350					
297	DEFL		0.0	0.022	0.097	0.25	0.41	0.70	
298	DEFL		1.58	20.0					
299	PILE	1011	200.0	29.0	11.6				
300	PILE	1012	200.0	29.0	11.6				
301	JOINT								
302	JOINT	101	1450	-837	16800				TOP DECK
303	JOINT	102	000	-837	16800				TOP DECK
304	JOINT	103	-1450	-837	16800				TOP DECK
305	JOINT	104	725	418	16800				TOP DECK
306	JOINT	105	-725	418	16800				TOP DECK
307	JOINT	106	000	1674	16800				TOP DECK
308	JOINT	201	1450	-837	15300				EQM DECK
309	JOINT	202	000	-837	15300				EQM DECK
310	JOINT	203	-1450	-837	15300				EQM DECK
311	JOINT	204	725	418	15300				EQM DECK
312	JOINT	205	-725	418	15300				EQM DECK
313	JOINT	206	000	1674	15300				EQM DECK
314	JOINT	301	1450	-837	13800				DK BRACE
315	JOINT	303	-1450	-837	13800				DK BRACE
316	JOINT	306	000	1674	13800				DK BRACE
317	JOINT	401	1450	-837	10950				WP LEVEL
318	JOINT	403	-1450	-837	10950				WP LEVEL
319	JOINT	406	000	1674	10950				WP LEVEL
320	JOINT	501	1515	-875	10500				5 LEVEL
321	JOINT	502	000	-875	10500				5 LEVEL
322	JOINT	503	-1515	-875	10500				5 LEVEL
323	JOINT	504	757	437	10500				5 LEVEL
324	JOINT	505	-757	437	10500				5 LEVEL
325	JOINT	506	000	1749	10500				5 LEVEL
326	JOINT	507	1686	-973	10533				5 LEVEL
327	JOINT	508	-1686	-973	10533				5 LEVEL
328	JOINT	509	000	1947	10533				5 LEVEL
329	JOINT	510	1515	-875	10501				5 LEVEL
330	JOINT	511	-1515	-875	10501				5 LEVEL
331	JOINT	512	000	1749	10501				5 LEVEL
332	JOINT	513	1775	-1025	10500				5 LEVEL
333	JOINT	514	-1775	-1025	10500				5 LEVEL
334	JOINT	601	1601	-925	9900				BOAT LDG
335	JOINT	603	-1601	-925	9900				BOAT LDG
336	JOINT	606	000	1848	9900				BOAT LDG
337	JOINT	611	1601	-1525	9900				BOAT LDG
338	JOINT	612	000	-1525	9900				BOAT LDG
339	JOINT	613	-1601	-1525	9900				BOAT LDG
340	JOINT	641	1686	-975	9300				MLW
341	JOINT	642	-113	-975	9300				MLW
342	JOINT	643	-1686	-975	9300				MLW
343	JOINT	644	900	390	9300				MLW

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.						
344	JOINT	645	-788	585	9300	MLW
345	JOINT	646	000	1949	9300	MLW
346	JOINT	651	1775	-1025	8700	BOAT LDG
347	JOINT	653	-1775	-1025	8700	BOAT LDG
348	JOINT	656	000	2049	8700	BOAT LDG
349	JOINT	661	1775	-1525	8700	BOAT LDG
350	JOINT	662	000	-1525	8700	BOAT LDG
351	JOINT	663	-1775	-1525	8700	BOAT LDG
352	JOINT	701	1876	-1083	8000	7 LEVEL
353	JOINT	702	000	-1083	8000	7 LEVEL
354	JOINT	703	-1876	-1083	8000	7 LEVEL
355	JOINT	704	938	542	8000	7 LEVEL
356	JOINT	705	-938	542	8000	7 LEVEL
357	JOINT	706	000	2166	8000	7 LEVEL
358	JOINT	707	2047	-1182	8033	7 LEVEL
359	JOINT	708	-2047	-1182	8033	7 LEVEL
360	JOINT	709	000	2363	8033	7 LEVEL
361	JOINT	710	1876	-1083	8001	7 LEVEL
362	JOINT	711	-1876	-1083	8001	7 LEVEL
363	JOINT	712	000	2166	8001	7 LEVEL
364	JOINT	801	2251	-1300	5400	8 LEVEL
365	JOINT	802	000	-1300	5400	8 LEVEL
366	JOINT	803	-2251	-1300	5400	8 LEVEL
367	JOINT	804	1126	650	5400	8 LEVEL
368	JOINT	805	-1126	650	5400	8 LEVEL
369	JOINT	806	000	2599	5400	8 LEVEL
370	JOINT	807	2422	-1398	5433	8 LEVEL
371	JOINT	808	-2422	-1398	5433	8 LEVEL
372	JOINT	809	000	2797	5433	8 LEVEL
373	JOINT	810	2251	-1300	5401	8 LEVEL
374	JOINT	811	-2251	-1300	5401	8 LEVEL
375	JOINT	812	000	2599	5401	8 LEVEL
376	JOINT	901	2641	-1525	2700	9 LEVEL
377	JOINT	902	000	-1525	2700	9 LEVEL
378	JOINT	903	-2641	-1525	2700	9 LEVEL
379	JOINT	904	1320	762	2700	9 LEVEL
380	JOINT	905	-1320	762	2700	9 LEVEL
381	JOINT	906	000	3049	2700	9 LEVEL
382	JOINT	907	2812	-1623	2733	9 LEVEL
383	JOINT	908	-2812	-1623	2733	9 LEVEL
384	JOINT	909	000	3267	2733	9 LEVEL
385	JOINT	910	2641	-1525	2701	9 LEVEL
386	JOINT	911	-2641	-1525	2701	9 LEVEL
387	JOINT	912	000	3049	2701	9 LEVEL
388	JOINT	1001	3031	-1750	000	MUDLINE
389	JOINT	1002	000	-1750	000	MUDLINE
390	JOINT	1003	-3031	-1750	000	MUDLINE
391	JOINT	1004	1515	875	000	MUDLINE
392	JOINT	1005	-1515	875	000	MUDLINE

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   393  JOINT 1006     000   3499    000                             MUDLINE
   394  JOINT 1007    3201  -1848    033                             MUDLINE
   395  JOINT 1008   -3201  -1848    033                             MUDLINE
   396  JOINT 1009     000   3497    033                             MUDLINE
   397  JOINT 1010    3031  -1750    001                      111111
   398  JOINT 1010                                            NONLIN
   399  JOINT 1010                              1010      910 OBLIQU
   400  JOINT 1011   -3031  -1750    001                      111111
   401  JOINT 1011                                            NONLIN
   402  JOINT 1011                              1011      911 OBLIQU
   403  JOINT 1012     000   3499    001                      111111
   404  JOINT 1012                                            NONLIN
   405  JOINT 1012                              1012      912 OBLIQU
   406  LOAD
   407  LOADCN   1
   408  LOAD X  401 510    0.00     67                         GLOB CONC       WN 0 1
   409  LOAD Y  401 510                              0.00  35120 GLOB MOMT       WN 0 1
   410  LOAD Y  401 510    0.00    117                         GLOB CONC       WN 0 1
   411  LOAD X  401 510                              0.00- 60830 GLOB MOMT       WN 0 1
   412  LOAD X  403 511    0.00     67                         GLOB CONC       WN 0 1
   413  LOAD Y  403 511                              0.00  35120 GLOB MOMT       WN 0 1
   414  LOAD Y  403 511    0.00    117                         GLOB CONC       WN 0 1
   415  LOAD X  403 511                              0.00- 60830 GLOB MOMT       WN 0 1
   416  LOAD X  406 512    0.00     67                         GLOB CONC       WN 0 1
   417  LOAD Y  406 512                              0.00  35120 GLOB MOMT       WN 0 1
   418  LOAD Y  406 512    0.00    117                         GLOB CONC       WN 0 1
   419  LOAD X  406 512                              0.00- 60830 GLOB MOMT       WN 0 1
   420  LOAD X  401 510    0.00    163                         GLOB CONC       WN 0 1
   421  LOAD Y  401 510                              0.00  94760 GLOB MOMT       WN 0 1
   422  LOAD Y  401 510    0.00    282                         GLOB CONC       WN 0 1
   423  LOAD X  401 510                              0.00-164129 GLOB MOMT       WN 0 1
   424  LOAD X  403 511    0.00    163                         GLOB CONC       WN 0 1
   425  LOAD Y  403 511                              0.00  94760 GLOB MOMT       WN 0 1
   426  LOAD Y  403 511    0.00    282                         GLOB CONC       WN 0 1
   427  LOAD X  403 511                              0.00-164129 GLOB MOMT       WN 0 1
   428  LOAD X  406 512    0.00    163                         GLOB CONC       WN 0 1
   429  LOAD Y  406 512                              0.00  94760 GLOB MOMT       WN 0 1
   430  LOAD Y  406 512    0.00    282                         GLOB CONC       WN 0 1
   431  LOAD X  406 512                              0.00-164129 GLOB MOMT       WN 0 1
   432  LOAD X  201 303   17.23     50   5.14     59             GLOB UNIF       WV 0 1
   433  LOAD Y  201 303   17.23    137   5.14    187             GLOB UNIF       WV 0 1
   434  LOAD Z  201 303   17.23-    96   5.14-   114             GLOB UNIF       WV 0 1
   435  LOAD X  201 303   22.37     59   5.14     61             GLOB UNIF       WV 0 1
   436  LOAD Y  201 303   22.37    187   5.14    200             GLOB UNIF       WV 0 1
   437  LOAD Z  201 303   22.37-   114   5.14-   116             GLOB UNIF       WV 0 1
   438  LOAD X  201 303   27.51     61   5.14     62             GLOB UNIF       WV 0 1
   439  LOAD Y  201 303   27.51    200   5.14    207             GLOB UNIF       WV 0 1
   440  LOAD Z  201 303   27.51-   116   5.14-   119             GLOB UNIF       WV 0 1
   441  LOAD X  203 306   26.79     15   2.93     18             GLOB UNIF       WV 0 1
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
442	LOAD Y	203 306	26.79	26	2.93	31	GLOB UNIF	WV 0 1
443	LOAD Z	203 306	26.79	59	2.93	69	GLOB UNIF	WV 0 1
444	LOAD X	203 306	29.72	18	2.93	17	GLOB UNIF	WV 0 1
445	LOAD Y	203 306	29.72	31	2.93	29	GLOB UNIF	WV 0 1
446	LOAD Z	203 306	29.72	69	2.93	65	GLOB UNIF	WV 0 1
447	LOAD X	206 301	22.22	85	3.48	135	GLOB UNIF	WV 0 1
448	LOAD Y	206 301	22.22	89	3.48	129	GLOB UNIF	WV 0 1
449	LOAD Z	206 301	22.22-	66	3.48-	86	GLOB UNIF	WV 0 1
450	LOAD X	206 301	25.69	135	3.48	169	GLOB UNIF	WV 0 1
451	LOAD Y	206 301	25.69	129	3.48	156	GLOB UNIF	WV 0 1
452	LOAD Z	206 301	25.69-	86	3.48-	102	GLOB UNIF	WV 0 1
453	LOAD X	206 301	29.17	169	3.48	178	GLOB UNIF	WV 0 1
454	LOAD Y	206 301	29.17	156	3.48	167	GLOB UNIF	WV 0 1
455	LOAD Z	206 301	29.17-	102	3.48-	108	GLOB UNIF	WV 0 1
456	LOAD X	301 403	0.00	44	20.33	56	GLOB UNIF	WV 0 1
457	LOAD Y	301 403	0.00	124	20.33	154	GLOB UNIF	WV 0 1
458	LOAD Z	301 403	0.00-	45	20.33-	57	GLOB UNIF	WV 0 1
459	LOAD X	301 403	20.33	56	20.33	38	GLOB UNIF	WV 0 1
460	LOAD Y	301 403	20.33	154	20.33	95	GLOB UNIF	WV 0 1
461	LOAD Z	301 403	20.33-	57	20.33-	39	GLOB UNIF	WV 0 1
462	LOAD Y	301 303	0.00	108	29.00	105	GLOB UNIF	WV 0 1
463	LOAD Z	301 303	0.00-	13	29.00-	23	GLOB UNIF	WV 0 1
464	LOAD Z	303 306	0.00-	23	9.67-	17	GLOB UNIF	WV 0 1
465	LOAD Z	303 306	9.67-	17	9.67-	09	GLOB UNIF	WV 0 1
466	LOAD Z	303 306	19.33-	09	7.38		GLOB UNIF	WV 0 1
467	LOAD Z	303 306	26.71		2.29	03	GLOB UNIF	WV 0 1
468	LOAD X	301 306	0.00	93	9.67	90	GLOB UNIF	WV 0 1
469	LOAD Y	301 306	0.00	54	9.67	52	GLOB UNIF	WV 0 1
470	LOAD Z	301 306	0.00-	13	9.67-	09	GLOB UNIF	WV 0 1
471	LOAD X	301 306	9.67	90	9.67	86	GLOB UNIF	WV 0 1
472	LOAD Y	301 306	9.67	52	9.67	50	GLOB UNIF	WV 0 1
473	LOAD Z	301 306	9.67-	09	9.67-	05	GLOB UNIF	WV 0 1
474	LOAD X	301 306	19.33	86	9.67	59	GLOB UNIF	WV 0 1
475	LOAD Y	301 306	19.33	50	9.67	34	GLOB UNIF	WV 0 1
476	LOAD Z	301 306	19.33-	05	6.09		GLOB UNIF	WV 0 1
477	LOAD Z	301 306	25.42		3.57	03	GLOB UNIF	WV 0 1
478	LOAD Y	501 502	0.00	60	15.15	60	GLOB UNIF	WV 0 1
479	LOAD Z	501 502	0.00-	08	15.15-	09	GLOB UNIF	WV 0 1
480	LOAD Y	502 503	0.00	60	15.15	58	GLOB UNIF	WV 0 1
481	LOAD Z	502 503	0.00-	09	15.15-	09	GLOB UNIF	WV 0 1
482	LOAD Z	503 505	0.00-	09	15.15-	08	GLOB UNIF	WV 0 1
483	LOAD Z	505 506	0.00-	08	15.15-	04	GLOB UNIF	WV 0 1
484	LOAD X	501 504	0.00	52	15.15	52	GLOB UNIF	WV 0 1
485	LOAD Y	501 504	0.00	30	15.15	30	GLOB UNIF	WV 0 1
486	LOAD Z	501 504	0.00-	08	15.15-	06	GLOB UNIF	WV 0 1
487	LOAD X	504 506	0.00	52	15.15	51	GLOB UNIF	WV 0 1
488	LOAD Y	504 506	0.00	30	15.15	29	GLOB UNIF	WV 0 1
489	LOAD Z	504 506	0.00-	06	15.15-	04	GLOB UNIF	WV 0 1
490	LOAD Z	502 500	0.00-	06	7.57-	05	GLOB UNIF	WV 0 1

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LINE NO. 1...5....1 0....1 5....2 0....2 5....3 0....3 5....4 0....4 5....5 0....5 5....6 0....6 5....7 0....7 5....8 0

491	LOAD Z	502 504	7.57-	05	7.57-	04	GLOB	UNIF	WV	0	1
492	LOAD X	502 505	0.00	42	15.15	41	GLOB	UNIF	WV	0	1
493	LOAD Y	502 505	0.00	24	15.15	24	GLOB	UNIF	WV	0	1
494	LOAD Z	502 505	0.00-	06	15.15-	05	GLOB	UNIF	WV	0	1
495	LOAD Y	504 505	0.00	48	15.14	48	GLOB	UNIF	WV	0	1
496	LOAD Z	504 505	0.00-	04	15.14-	05	GLOB	UNIF	WV	0	1
497	LOAD X	501 513	0.00	26	3.00	26	GLOB	UNIF	WV	0	1
498	LOAD Y	501 513	0.00	45	3.00	45	GLOB	UNIF	WV	0	1
499	LOAD Z	501 513	0.00-	04	3.00-	04	GLOB	UNIF	WV	0	1
500	LOAD X	503 514	0.00-	13	3.00-	13	GLOB	UNIF	WV	0	1
501	LOAD Y	503 514	0.00	22	3.00	22	GLOB	UNIF	WV	0	1
502	LOAD Z	503 514	0.00-	05	3.00-	06	GLOB	UNIF	WV	0	1
503	LOAD X	513 651	0.00	92	6.00	81	GLOB	UNIF	WV	0	1
504	LOAD Y	513 651	0.00	159	6.00	141	GLOB	UNIF	WV	0	1
505	LOAD X	513 651	6.00	81	6.00	73	GLOB	UNIF	WV	0	1
506	LOAD Y	513 651	6.00	141	6.00	126	GLOB	UNIF	WV	0	1
507	LOAD X	513 651	12.00	73	6.00	65	GLOB	UNIF	WV	0	1
508	LOAD Y	513 651	12.00	126	6.00	113	GLOB	UNIF	WV	0	1
509	LOAD X	514 653	0.00	79	6.00	70	GLOB	UNIF	WV	0	1
510	LOAD Y	514 653	0.00	136	6.00	121	GLOB	UNIF	WV	0	1
511	LOAD X	514 653	6.00	70	6.00	63	GLOB	UNIF	WV	0	1
512	LOAD Y	514 653	6.00	121	6.00	106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
513	LOAD X	514 653	12.00	63	6.00	[illegible]					
514	LOAD Y	514 653	[illegible]								

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
540	LOAD	X	613	663	6.06	49	6.06	44	GLOB UNIF	WV	0 1
541	LOAD	Y	613	663	6.06	79	6.06	71	GLOB UNIF	WV	0 1
542	LOAD	Z	613	663	6.06-	07	6.06-	06	GLOB UNIF	WV	0 1
543	LOAD	X	501	642	0.00	18	10.12	17	GLOB UNIF	WV	0 1
544	LOAD	Y	501	642	0.00	75	10.12	66	GLOB UNIF	WV	0 1
545	LOAD	Z	501	642	0.00-	31	10.12-	28	GLOB UNIF	WV	0 1
546	LOAD	X	501	642	10.12	17	10.12	16	GLOB UNIF	WV	0 1
547	LOAD	Y	501	642	10.12	66	10.12	58	GLOB UNIF	WV	0 1
548	LOAD	Z	501	642	10.12-	28	10.12-	26	GLOB UNIF	WV	0 1
549	LOAD	X	503	645	0.00	14	6.75	14	GLOB UNIF	WV	0 1
550	LOAD	Y	503	645	0.00	18	6.75	17	GLOB UNIF	WV	0 1
551	LOAD	Z	503	645	0.00	30	6.75	29	GLOB UNIF	WV	0 1
552	LOAD	X	503	645	6.75	14	6.75	13	GLOB UNIF	WV	0 1
553	LOAD	Y	503	645	6.75	17	6.75	16	GLOB UNIF	WV	0 1
554	LOAD	Z	503	645	6.75	29	6.75	28	GLOB UNIF	WV	0 1
555	LOAD	X	503	645	13.50	13	6.75	13	GLOB UNIF	WV	0 1
556	LOAD	Y	503	645	13.50	16	6.75	15	GLOB UNIF	WV	0 1
557	LOAD	Z	503	645	13.50	28	6.75	26	GLOB UNIF	WV	0 1
558	LOAD	X	506	644	0.00	55	10.12	49	GLOB UNIF	WV	0 1
559	LOAD	Y	506	644	0.00	57	10.12	52	GLOB UNIF	WV	0 1
560	LOAD	Z	506	644	0.00-	23	10.12-	23	GLOB UNIF	WV	0 1
561	LOAD	X	506	644	10.12	49	10.12	44	GLOB UNIF	WV	0 1
562	LOAD	Y	506	644	10.12	52	10.12	48	GLOB UNIF	WV	0 1
563	LOAD	Z	506	644	10.12-	23	10.12-	21	GLOB UNIF	WV	0 1
564	LOAD	X	642	703	0.00	21	7.31	19	GLOB UNIF	WV	0 1
565	LOAD	Y	642	703	0.00	88	7.31	80	GLOB UNIF	WV	0 1
566	LOAD	Z	642	703	0.00-	35	7.31-	33	GLOB UNIF	WV	0 1
567	LOAD	X	642	703	7.31	19	7.31	18	GLOB UNIF	WV	0 1
568	LOAD	Y	642	703	7.31	80	7.31	73	GLOB UNIF	WV	0 1
569	LOAD	Z	642	703	7.31-	35	7.31-	30	GLOB UNIF	WV	0 1
570	LOAD	X	642	703	14.62	18	7.31	16	GLOB UNIF	WV	0 1
571	LOAD	Y	642	703	14.62	73	7.31	67	GLOB UNIF	WV	0 1
572	LOAD	Z	642	703	14.62-	30	7.31-	27	GLOB UNIF	WV	0 1
573	LOAD	X	645	706	0.00	20	7.31	18	GLOB UNIF	WV	0 1
574	LOAD	Y	645	706	0.00	25	7.31	24	GLOB UNIF	WV	0 1
575	LOAD	Z	645	706	0.00	43	7.31	40	GLOB UNIF	WV	0 1
576	LOAD	X	645	706	7.31	18	7.31	17	GLOB UNIF	WV	0 1
577	LOAD	Y	645	706	7.31	24	7.31	22	GLOB UNIF	WV	0 1
578	LOAD	Z	645	706	7.31	40	7.31	37	GLOB UNIF	WV	0 1
579	LOAD	X	645	706	14.62	17	7.31	16	GLOB UNIF	WV	0 1
580	LOAD	Y	645	706	14.62	22	7.31	20	GLOB UNIF	WV	0 1
581	LOAD	Z	645	706	14.62	37	7.31	34	GLOB UNIF	WV	0 1
582	LOAD	X	644	701	0.00	66	10.97	59	GLOB UNIF	WV	0 1
583	LOAD	Y	644	701	0.00	69	10.97	62	GLOB UNIF	WV	0 1
584	LOAD	Z	644	701	0.00-	28	10.97-	26	GLOB UNIF	WV	0 1
585	LOAD	X	644	701	10.97	59	10.97	52	GLOB UNIF	WV	0 1
586	LOAD	Y	644	701	10.97	62	10.97	55	GLOB UNIF	WV	0 1
587	LOAD	Z	644	701	10.97-	26	10.97-	23	GLOB UNIF	WV	0 1
588	LOAD	Y	701	702	0.00	47	10.76	48	GLOB UNIF	WV	0 1

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.												
589	LOAD	Z	701	702	0.00-	02	18.76-	03	GLOB	UNIF	WV	0 1
590	LOAD	Y	702	703	0.00	48	18.76	46	GLOB	UNIF	WV	0 1
591	LOAD	Z	702	703	0.00-	03	18.76-	03	GLOB	UNIF	WV	0 1
592	LOAD	Z	703	705	0.00-	03	18.76-	02	GLOB	UNIF	WV	0 1
593	LOAD	Z	705	706	0.00-	02	6.25-	02	GLOB	UNIF	WV	0 1
594	LOAD	Z	705	706	6.25-	02	6.25-	1	GLOB	UNIF	WV	0 1
595	LOAD	Z	705	706	12.50-	1	6.25		GLOB	UNIF	WV	0 1
596	LOAD	X	701	704	0.00	41	18.76	40	GLOB	UNIF	WV	0 1
597	LOAD	Y	701	704	0.00	24	18.76	23	GLOB	UNIF	WV	0 1
598	LOAD	Z	701	704	0.00-	02	18.76-	02	GLOB	UNIF	WV	0 1
599	LOAD	X	704	706	0.00	40	18.75	38	GLOB	UNIF	WV	0 1
600	LOAD	Y	704	706	0.00	23	18.75	22	GLOB	UNIF	WV	0 1
601	LOAD	Z	704	706	0.00-	02	18.75		GLOB	UNIF	WV	0 1
602	LOAD	Z	702	704	0.00-	08	18.76-	06	GLOB	UNIF	WV	0 1
603	LOAD	X	702	705	0.00	38	18.76	38	GLOB	UNIF	WV	0 1
604	LOAD	Y	702	705	0.00	21	18.76	21	GLOB	UNIF	WV	0 1
605	LOAD	Z	702	705	0.00-	08	18.76-	07	GLOB	UNIF	WV	0 1
606	LOAD	Y	704	705	0.00	42	18.76	42	GLOB	UNIF	WV	0 1
607	LOAD	Z	704	705	0.00-	08	18.76-	07	GLOB	UNIF	WV	0 1
608	LOAD	X	701	806	0.00	58	16.27	51	GLOB	UNIF	WV	0 1
609	LOAD	Y	701	806	0.00	39	16.27	35	GLOB	UNIF	WV	0 1
610	LOAD	Z	701	806	0.00	14	16.27	13	GLOB	UNIF	WV	0 1
611	LOAD	X	701	806	16.27	51	16.27	44	GLOB	UNIF	WV	0 1
612	LOAD	Y	701	806	16.27	35	16.27	30	GLOB	UNIF	WV	0 1
613	LOAD	Z	701	806	16.27	13	16.27	11	GLOB	UNIF	WV	0 1
614	LOAD	X	701	806	32.55	44	16.27	38	GLOB	UNIF	WV	0 1
615	LOAD	Y	701	806	32.55	30	16.27	27	GLOB	UNIF	WV	0 1
616	LOAD	Z	701	806	32.55	11	16.27	11	GLOB	UNIF	WV	0 1
617	LOAD	X	703	801	0.00	09	16.28	08	GLOB	UNIF	WV	0 1
618	LOAD	Y	703	801	0.00	70	16.28	65	GLOB	UNIF	WV	0 1
619	LOAD	Z	703	801	0.00	08	16.28	08	GLOB	UNIF	WV	0 1
620	LOAD	X	703	801	16.28	08	16.28	08	GLOB	UNIF	WV	0 1
621	LOAD	Y	703	801	16.28	65	16.28	56	GLOB	UNIF	WV	0 1
622	LOAD	Z	703	801	16.28	08	16.28	08	GLOB	UNIF	WV	0 1
623	LOAD	X	703	801	32.55	08	16.28	07	GLOB	UNIF	WV	0 1
624	LOAD	Y	703	801	32.55	56	16.28	50	GLOB	UNIF	WV	0 1
625	LOAD	Z	703	801	32.55	08	16.28	07	GLOB	UNIF	WV	0 1
626	LOAD	X	706	803	0.00	10	16.28	10	GLOB	UNIF	WV	0 1
627	LOAD	Y	706	803	0.00	23	16.28	22	GLOB	UNIF	WV	0 1
628	LOAD	Z	706	803	0.00-	40	16.28-	38	GLOB	UNIF	WV	0 1
629	LOAD	X	706	803	16.28	10	16.28	09	GLOB	UNIF	WV	0 1
630	LOAD	Y	706	803	16.28	22	16.28	20	GLOB	UNIF	WV	0 1
631	LOAD	Z	706	803	16.28-	38	16.28-	34	GLOB	UNIF	WV	0 1
632	LOAD	X	706	803	32.55	09	16.28	07	GLOB	UNIF	WV	0 1
633	LOAD	Y	706	803	32.55	20	16.28	18	GLOB	UNIF	WV	0 1
634	LOAD	Z	706	803	32.55-	34	16.28-	28	GLOB	UNIF	WV	0 1
635	LOAD	Y	801	802	0.00	32	22.51	32	GLOB	UNIF	WV	0 1
636	LOAD	Z	801	802	0.00-	02	22.51-	02	GLOB	UNIF	WV	0 1
637	LOAD	Y	802	803	0.00	32	22.51	31	GLOB	UNIF	WV	0 1

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   638   LOAD Z  802 803    0.00-    02  22.51-    02                 GLOB UNIF     WV 0 1
   639   LOAD Z  803 805    0.00-    02  22.51-    02                 GLOB UNIF     WV 0 1
   640   LOAD Z  805 806    0.00-    02  11.25-     1                 GLOB UNIF     WV 0 1
   641   LOAD Z  805 806   11.25-     1  11.25-     1                 GLOB UNIF     WV 0 1
   642   LOAD X  801 804    0.00     28  22.51     28                 GLOB UNIF     WV 0 1
   643   LOAD Y  801 804    0.00     16  22.51     16                 GLOB UNIF     WV 0 1
   644   LOAD Z  801 804    0.00-    02  22.51-     1                 GLOB UNIF     WV 0 1
   645   LOAD X  804 806    0.00     28  22.51     26                 GLOB UNIF     WV 0 1
   646   LOAD Y  804 806    0.00     16  22.51     15                 GLOB UNIF     WV 0 1
   647   LOAD Z  804 806    0.00-     1  22.51-     1                 GLOB UNIF     WV 0 1
   648   LOAD Z  802 804    0.00-    05  22.52-    04                 GLOB UNIF     WV 0 1
   649   LOAD X  802 805    0.00     24  22.52     25                 GLOB UNIF     WV 0 1
   650   LOAD Y  802 805    0.00     14  22.52     14                 GLOB UNIF     WV 0 1
   651   LOAD Z  802 805    0.00-    05  22.52-    05                 GLOB UNIF     WV 0 1
   652   LOAD Y  804 805    0.00     29  22.52     29                 GLOB UNIF     WV 0 1
   653   LOAD Z  804 805    0.00-    04  22.52-    05                 GLOB UNIF     WV 0 1
   654   LOAD X  801 903    0.00     07  18.64     07                 GLOB UNIF     WV 0 1
   655   LOAD Y  801 903    0.00     48  18.64     43                 GLOB UNIF     WV 0 1
   656   LOAD Z  801 903    0.00-    17  18.64-    15                 GLOB UNIF     WV 0 1
   657   LOAD X  801 903   18.64     07  18.64     06                 GLOB UNIF     WV 0 1
   658   LOAD Y  801 903   18.64     43  18.64     37                 GLOB UNIF     WV 0 1
   659   LOAD Z  801 903   18.64-    15  18.64-    13                 GLOB UNIF     WV 0 1
   660   LOAD X  801 903   37.28     06  18.64     05                 GLOB UNIF     WV 0 1
   661   LOAD Y  801 903   37.28     37  18.64     32                 GLOB UNIF     WV 0 1
   662   LOAD Z  801 903   37.28-    13  18.64-    11                 GLOB UNIF     WV 0 1
   663   LOAD X  803 906    0.00     06  18.64     06                 GLOB UNIF     WV 0 1
   664   LOAD Y  803 906    0.00     07  18.64     07                 GLOB UNIF     WV 0 1
   665   LOAD Z  803 906    0.00     17  18.64     17                 GLOB UNIF     WV 0 1
   666   LOAD X  803 906   18.64     06  18.64     06                 GLOB UNIF     WV 0 1
   667   LOAD Y  803 906   18.64     07  18.64     07                 GLOB UNIF     WV 0 1
   668   LOAD Z  803 906   18.64     17  18.64     17                 GLOB UNIF     WV 0 1
   669   LOAD X  803 906   37.28     06  18.64     06                 GLOB UNIF     WV 0 1
   670   LOAD Y  803 906   37.28     07  18.64     07                 GLOB UNIF     WV 0 1
   671   LOAD Z  803 906   37.28     17  18.64     16                 GLOB UNIF     WV 0 1
   672   LOAD X  806 901    0.00     37  18.64     34                 GLOB UNIF     WV 0 1
   673   LOAD Y  806 901    0.00     32  18.64     30                 GLOB UNIF     WV 0 1
   674   LOAD Z  806 901    0.00-    14  18.64-    13                 GLOB UNIF     WV 0 1
   675   LOAD X  806 901   18.64     34  18.64     31                 GLOB UNIF     WV 0 1
   676   LOAD Y  806 901   18.64     30  18.64     28                 GLOB UNIF     WV 0 1
   677   LOAD Z  806 901   18.64-    13  18.64-    12                 GLOB UNIF     WV 0 1
   678   LOAD X  806 901   37.28     31  18.64     28                 GLOB UNIF     WV 0 1
   679   LOAD Y  806 901   37.28     28  18.64     25                 GLOB UNIF     WV 0 1
   680   LOAD Z  806 901   37.28-    12  18.64-    10                 GLOB UNIF     WV 0 1
   681   LOAD Y  901 902    0.00     26  26.41     26                 GLOB UNIF     WV 0 1
   682   LOAD Z  901 902    0.00-     1  26.41-     1                 GLOB UNIF     WV 0 1
   683   LOAD Y  902 903    0.00     26  26.41     25                 GLOB UNIF     WV 0 1
   684   LOAD Z  902 903    0.00-     1  26.41-     1                 GLOB UNIF     WV 0 1
   685   LOAD Z  903 905    0.00-     1  26.41-     1                 GLOB UNIF     WV 0 1
   686   LOAD Z  905 906    0.00-     1  26.41-     1                 GLOB UNIF     WV 0 1
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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     687  LOAD X  901 904    0.00    23  20.41    22              GLOB UNIF    WV 0 1
     688  LOAD Y  901 904    0.00    13  20.41    13              GLOB UNIF    WV 0 1
     689  LOAD Z  901 904    0.00-    1  20.41-    1              GLOB UNIF    WV 0 1
     690  LOAD X  904 906    0.00    22  20.41    21              GLOB UNIF    WV 0 1
     691  LOAD Y  904 906    0.00    13  20.41    12              GLOB UNIF    WV 0 1
     692  LOAD Z  904 906    0.00-    1  20.41-    1              GLOB UNIF    WV 0 1
     693  LOAD Z  902 904    0.00-   02  20.41-   02              GLOB UNIF    WV 0 1
     694  LOAD X  902 905    0.00    18  20.41    18              GLOB UNIF    WV 0 1
     695  LOAD Y  902 905    0.00    10  20.41    11              GLOB UNIF    WV 0 1
     696  LOAD Z  902 905    0.00-   02  20.41-   02              GLOB UNIF    WV 0 1
     697  LOAD Y  904 905    0.00    22  20.40    21              GLOB UNIF    WV 0 1
     698  LOAD Z  904 905    0.00-   02  20.40-   02              GLOB UNIF    WV 0 1
     699  LOAD X  9011002    0.00    08  12.61    07              GLOB UNIF    WV 0 1
     700  LOAD Y  9011002    0.00    29  12.61    27              GLOB UNIF    WV 0 1
     701  LOAD Z  9011002    0.00-   10  12.61-   10              GLOB UNIF    WV 0 1
     702  LOAD X  9011002   12.61    07  12.61    06              GLOB UNIF    WV 0 1
     703  LOAD Y  9011002   12.61    27  12.61    23              GLOB UNIF    WV 0 1
     704  LOAD Z  9011002   12.61-   10  12.61-   08              GLOB UNIF    WV 0 1
     705  LOAD X  9011002   25.22    06  12.61                    GLOB UNIF    WV 0 1
     706  LOAD Y  9011002   25.22    23  12.61    02              GLOB UNIF    WV 0 1
     707  LOAD Z  9011002   25.22-   08  12.61                    GLOB UNIF    WV 0 1
     708  LOAD X  9031002    0.00    08  12.61    06              GLOB UNIF    WV 0 1
     709  LOAD Y  9031002    0.00    28  12.61    26              GLOB UNIF    WV 0 1
     710  LOAD Z  9031002    0.00    06  12.61    06              GLOB UNIF    WV 0 1
     711  LOAD X  9031002   12.61    08  12.61    07              GLOB UNIF    WV 0 1
     712  LOAD Y  9031002   12.61    26  12.61    23              GLOB UNIF    WV 0 1
     713  LOAD Z  9031002   12.61    06  12.61    05              GLOB UNIF    WV 0 1
     714  LOAD X  9031002   25.22    07  12.61                    GLOB UNIF    WV 0 1
     715  LOAD Y  9031002   25.22    23  12.61    02              GLOB UNIF    WV 0 1
     716  LOAD Z  9031002   25.22    05  12.61                    GLOB UNIF    WV 0 1
     717  LOAD X  9031005    0.00    09  12.61    09              GLOB UNIF    WV 0 1
     718  LOAD Y  9031005    0.00    13  12.61    12              GLOB UNIF    WV 0 1
     719  LOAD Z  9031005    0.00    15  12.61    15              GLOB UNIF    WV 0 1
     720  LOAD X  9031005   12.61    09  12.61    08              GLOB UNIF    WV 0 1
     721  LOAD Y  9031005   12.61    12  12.61    11              GLOB UNIF    WV 0 1
     722  LOAD Z  9031005   12.61    15  12.61    13              GLOB UNIF    WV 0 1
     723  LOAD X  9031005   25.23    08  12.61     1              GLOB UNIF    WV 0 1
     724  LOAD Y  9031005   25.23    11  12.61     1              GLOB UNIF    WV 0 1
     725  LOAD Z  9031005   25.23    13  12.61     1              GLOB UNIF    WV 0 1
     726  LOAD X  9061005    0.00    07  12.61    07              GLOB UNIF    WV 0 1
     727  LOAD Y  9061005    0.00    15  12.61    15              GLOB UNIF    WV 0 1
     728  LOAD Z  9061005    0.00-   17  12.61-   16              GLOB UNIF    WV 0 1
     729  LOAD X  9061005   12.61    07  12.61    06              GLOB UNIF    WV 0 1
     730  LOAD Y  9061005   12.61    15  12.61    13              GLOB UNIF    WV 0 1
     731  LOAD Z  9061005   12.61-   16  12.61-   14              GLOB UNIF    WV 0 1
     732  LOAD X  9061005   25.22    06  12.61     1              GLOB UNIF    WV 0 1
     733  LOAD Y  9061005   25.22    13  12.61     1              GLOB UNIF    WV 0 1
     734  LOAD Z  9061005   25.22-   14  12.61-    1              GLOB UNIF    WV 0 1
     735  LOAD X  9011004    0.00    21  12.61    20              GLOB UNIF    WV 0 1
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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
736	LOAD	Y	9011004	0.00	20	12.61	19	GLOB	UNIF	WV	0	1
737	LOAD	Z	9011004	0.00	09	12.61	08	GLOB	UNIF	WV	0	1
738	LOAD	X	9011004	12.61	20	12.61	17	GLOB	UNIF	WV	0	1
739	LOAD	Y	9011004	12.61	19	12.61	16	GLOB	UNIF	WV	0	1
740	LOAD	Z	9011004	12.61	08	12.61	07	GLOB	UNIF	WV	0	1
741	LOAD	X	9011004	25.23	17	12.61	02	GLOB	UNIF	WV	0	1
742	LOAD	Y	9011004	25.23	16	12.61	02	GLOB	UNIF	WV	0	1
743	LOAD	Z	9011004	25.23	07	12.61	1	GLOB	UNIF	WV	0	1
744	LOAD	X	9061004	0.00	20	12.61	18	GLOB	UNIF	WV	0	1
745	LOAD	Y	9061004	0.00	23	12.61	21	GLOB	UNIF	WV	0	1
746	LOAD	Z	9061004	0.00-	07	12.61-	07	GLOB	UNIF	WV	0	1
747	LOAD	X	9061004	12.61	16	12.61	16	GLOB	UNIF	WV	0	1
748	LOAD	Y	9061004	12.61	21	12.61	19	GLOB	UNIF	WV	0	1
749	LOAD	Z	9061004	12.61-	07	12.61-	06	GLOB	UNIF	WV	0	1
750	LOAD	X	9061004	25.22	16	12.61	02	GLOB	UNIF	WV	0	1
751	LOAD	Y	9061004	25.22	19	12.61	02	GLOB	UNIF	WV	0	1
752	LOAD	Z	9061004	25.22-	06	12.61-	1	GLOB	UNIF	WV	0	1
753	LOAD	Y	10011002	0.00	03	15.15	03	GLOB	UNIF	WV	0	1
754	LOAD	Y	10011002	15.15	03	15.15	02	GLOB	UNIF	WV	0	1
755	LOAD	Y	10021003	0.00	02	10.10	1	GLOB	UNIF	WV	0	1
756	LOAD	Y	10021003	10.10	1	10.10	1	GLOB	UNIF	WV	0	1
757	LOAD	Y	10021003	20.21	1	10.10		GLOB	UNIF	WV	0	1
758	LOAD	X	10011004	0.00	03	10.10	03	GLOB	UNIF	WV	0	1
759	LOAD	Y	10011004	0.00	02	10.10	02	GLOB	UNIF	WV	0	1
760	LOAD	X	10011004	10.10	03	10.10	04	GLOB	UNIF	WV	0	1
761	LOAD	Y	10011004	10.10	02	10.10	02	GLOB	UNIF	WV	0	1
762	LOAD	X	10011004	20.21	04	10.10	04	GLOB	UNIF	WV	0	1
763	LOAD	Y	10011004	20.21	02	10.10	02	GLOB	UNIF	WV	0	1
764	LOAD	X	10041006	0.00	04	10.10	04	GLOB	UNIF	WV	0	1
765	LOAD	Y	10041006	0.00	02	10.10	02	GLOB	UNIF	WV	0	1
766	LOAD	X	10041006	10.10	04	10.10	05	GLOB	UNIF	WV	0	1
767	LOAD	Y	10041006	10.10	02	10.10	03	GLOB	UNIF	WV	0	1
768	LOAD	X	10041006	20.20	05	10.10	05	GLOB	UNIF	WV	0	1
769	LOAD	Y	10041006	20.20	03	10.10	03	GLOB	UNIF	WV	0	1
770	LOAD	X	10021005	0.00	1	30.31	02	GLOB	UNIF	WV	0	1
771	LOAD	Y	10021005	0.00	1	30.31	1	GLOB	UNIF	WV	0	1
772	LOAD	Y	10041005	0.00	02	15.15	02	GLOB	UNIF	WV	0	1
773	LOAD	Y	10041005	15.15	02	15.15	02	GLOB	UNIF	WV	0	1
774	LOAD	X	201 301	6.70	33	2.10	59	GLOB	UNIF	WV	0	1
775	LOAD	Y	201 301	6.70	58	2.10	102	GLOB	UNIF	WV	0	1
776	LOAD	X	201 301	10.80	59	2.10	84	GLOB	UNIF	WV	0	1
777	LOAD	Y	201 301	10.80	102	2.10	146	GLOB	UNIF	WV	0	1
778	LOAD	X	201 301	12.90	84	2.10	92	GLOB	UNIF	WV	0	1
779	LOAD	Y	201 301	12.90	146	2.10	159	GLOB	UNIF	WV	0	1
780	LOAD	X	203 303	7.21	29	2.60	51	GLOB	UNIF	WV	0	1
781	LOAD	Y	203 303	7.21	51	2.60	89	GLOB	UNIF	WV	0	1
782	LOAD	X	203 303	9.81	51	2.60	73	GLOB	UNIF	WV	0	1
783	LOAD	Y	203 303	9.81	89	2.60	127	GLOB	UNIF	WV	0	1
784	LOAD	X	203 303	12.40	73	2.60	85	GLOB	UNIF	WV	0	1

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            1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
785	LOAD	Y	203	303	12.40	127	2.60	148	GLOB	UNIF	WV	0	1
786	LOAD	X	206	306	14.47		.53	62	GLOB	UNIF	WV	0	1
787	LOAD	Y	206	306	14.47		.53	108	GLOB	UNIF	WV	0	1
788	LOAD	X	301	401	0.00	92	14.25	112	GLOB	UNIF	WV	0	1
789	LOAD	Y	301	401	0.00	159	14.25	194	GLOB	UNIF	WV	0	1
790	LOAD	X	301	401	14.25	112	14.25	74	GLOB	UNIF	WV	0	1
791	LOAD	Y	301	401	14.25	194	14.25	127	GLOB	UNIF	WV	0	1
792	LOAD	X	303	403	0.00	85	9.50	111	GLOB	UNIF	WV	0	1
793	LOAD	Y	303	403	0.00	148	9.50	192	GLOB	UNIF	WV	0	1
794	LOAD	X	303	403	9.50	111	9.50	98	GLOB	UNIF	WV	0	1
795	LOAD	Y	303	403	9.50	192	9.50	170	GLOB	UNIF	WV	0	1
796	LOAD	X	303	403	19.00	98	9.50	68	GLOB	UNIF	WV	0	1
797	LOAD	Y	303	403	19.00	170	9.50	118	GLOB	UNIF	WV	0	1
798	LOAD	X	306	406	0.00	62	14.25	108	GLOB	UNIF	WV	0	1
799	LOAD	Y	306	406	0.00	108	14.25	187	GLOB	UNIF	WV	0	1
800	LOAD	X	306	406	14.25	108	14.25	75	GLOB	UNIF	WV	0	1
801	LOAD	Y	306	406	14.25	187	14.25	129	GLOB	UNIF	WV	0	1
802	LOAD	X	401	501	0.00	110	4.56	101	GLOB	UNIF	WV	0	1
803	LOAD	Y	401	501	0.00	216	4.56	198	GLOB	UNIF	WV	0	1
804	LOAD	Z	401	501	0.00-	02	4.56-	02	GLOB	UNIF	WV	0	1
805	LOAD	X	403	503	0.00	113	4.56	103	GLOB	UNIF	WV	0	1
806	LOAD	Y	403	503	0.00	185	4.56	171	GLOB	UNIF	WV	0	1
807	LOAD	Z	403	503	0.00-	32	4.56-	29	GLOB	UNIF	WV	0	1
808	LOAD	X	406	506	0.00	128	4.56	118	GLOB	UNIF	WV	0	1
809	LOAD	Y	406	506	0.00	207	4.56	189	GLOB	UNIF	WV	0	1
810	LOAD	Z	406	506	0.00	34	4.56	32	GLOB	UNIF	WV	0	1
811	LOAD	X	501	601	0.00	101	3.04	94	GLOB	UNIF	WV	0	1
812	LOAD	Y	501	601	0.00	198	3.04	186	GLOB	UNIF	WV	0	1
813	LOAD	Z	501	601	0.00-	02	3.04-	02	GLOB	UNIF	WV	0	1
814	LOAD	X	501	601	3.04	94	3.04	88	GLOB	UNIF	WV	0	1
815	LOAD	Y	501	601	3.04	186	3.04	175	GLOB	UNIF	WV	0	1
816	LOAD	Z	501	601	3.04-	02	3.04-	02	GLOB	UNIF	WV	0	1
817	LOAD	X	503	603	0.00	103	3.04	97	GLOB	UNIF	WV	0	1
818	LOAD	Y	503	603	0.00	170	3.04	159	GLOB	UNIF	WV	0	1
819	LOAD	Z	503	603	0.00-	29	3.04-	27	GLOB	UNIF	WV	0	1
820	LOAD	X	503	603	3.04	97	3.04	91	GLOB	UNIF	WV	0	1
821	LOAD	Y	503	603	3.04	159	3.04	149	GLOB	UNIF	WV	0	1
822	LOAD	Z	503	603	3.04-	27	3.04-	25	GLOB	UNIF	WV	0	1
823	LOAD	X	506	606	0.00	118	3.04	111	GLOB	UNIF	WV	0	1
824	LOAD	Y	506	606	0.00	190	3.04	178	GLOB	UNIF	WV	0	1
825	LOAD	Z	506	606	0.00	31	3.04	29	GLOB	UNIF	WV	0	1
826	LOAD	X	506	606	3.04	111	3.04	104	GLOB	UNIF	WV	0	1
827	LOAD	Y	506	606	3.04	178	3.04	167	GLOB	UNIF	WV	0	1
828	LOAD	Z	506	606	3.04	29	3.04	28	GLOB	UNIF	WV	0	1
829	LOAD	X	601	641	0.00	88	3.04	83	GLOB	UNIF	WV	0	1
830	LOAD	Y	601	641	0.00	175	3.04	166	GLOB	UNIF	WV	0	1
831	LOAD	Z	601	641	0.00-	02	3.04-	02	GLOB	UNIF	WV	0	1
832	LOAD	X	601	641	3.04	83	3.04	79	GLOB	UNIF	WV	0	1
833	LOAD	Y	601	641	3.04	166	3.04	157	GLOB	UNIF	WV	0	1

S T R A N   I N P U T   D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   834  LOAD Z  801 841   3.04-    02   3.04-    02              GLOB UNIF    WV 0 1
   835  LOAD X  803 843   0.00     91   3.04     86              GLOB UNIF    WV 0 1
   836  LOAD Y  803 843   0.00    149   3.04    141              GLOB UNIF    WV 0 1
   837  LOAD Z  803 843   0.00-    26   3.04-    24              GLOB UNIF    WV 0 1
   838  LOAD X  803 843   3.04     86   3.04     81              GLOB UNIF    WV 0 1
   839  LOAD Y  803 843   3.04    141   3.04    132              GLOB UNIF    WV 0 1
   840  LOAD Z  803 843   3.04-    24   3.04-    23              GLOB UNIF    WV 0 1
   841  LOAD X  806 846   0.00    104   3.04     99              GLOB UNIF    WV 0 1
   842  LOAD Y  806 846   0.00    167   3.04    159              GLOB UNIF    WV 0 1
   843  LOAD Z  806 846   0.00     28   3.04     27              GLOB UNIF    WV 0 1
   844  LOAD X  806 846   3.04     99   3.04     94              GLOB UNIF    WV 0 1
   845  LOAD Y  806 846   3.04    159   3.04    150              GLOB UNIF    WV 0 1
   846  LOAD Z  806 846   3.04     27   3.04     25              GLOB UNIF    WV 0 1
   847  LOAD X  841 851   0.00    113   3.04    106              GLOB UNIF    WV 0 1
   848  LOAD Y  841 851   0.00    230   3.04    225              GLOB UNIF    WV 0 1
   849  LOAD Z  841 851   0.00-    03   3.04-    03              GLOB UNIF    WV 0 1
   850  LOAD X  841 851   3.04    106   3.04    101              GLOB UNIF    WV 0 1
   851  LOAD Y  841 851   3.04    225   3.04    214              GLOB UNIF    WV 0 1
   852  LOAD Z  841 851   3.04-    03   3.04-    03              GLOB UNIF    WV 0 1
   853  LOAD X  843 853   0.00    110   6.08    105              GLOB UNIF    WV 0 1
   854  LOAD Y  843 853   0.00    187   6.08    165              GLOB UNIF    WV 0 1
   855  LOAD Z  843 853   0.00-    33   6.08-    29              GLOB UNIF    WV 0 1
   856  LOAD X  846 856   0.00    140   6.08    134              GLOB UNIF    WV 0 1
   857  LOAD Y  846 856   0.00    233   6.08    210              GLOB UNIF    WV 0 1
   858  LOAD Z  846 856   0.00     39   6.08     35              GLOB UNIF    WV 0 1
   859  LOAD X  851 701   0.00    101   3.55     95              GLOB UNIF    WV 0 1
   860  LOAD Y  851 701   0.00    214   3.55    202              GLOB UNIF    WV 0 1
   861  LOAD Z  851 701   0.00-    03   3.55-    03              GLOB UNIF    WV 0 1
   862  LOAD X  851 701   3.55     95   3.55     89              GLOB UNIF    WV 0 1
   863  LOAD Y  851 701   3.55    202   3.55    189              GLOB UNIF    WV 0 1
   864  LOAD Z  851 701   3.55-    03   3.55-    03              GLOB UNIF    WV 0 1
   865  LOAD X  853 703   0.00    105   3.55     98              GLOB UNIF    WV 0 1
   866  LOAD Y  853 703   0.00    165   3.55    154              GLOB UNIF    WV 0 1
   867  LOAD Z  853 703   0.00-    29   3.55-    27              GLOB UNIF    WV 0 1
   868  LOAD X  853 703   3.55     98   3.55     92              GLOB UNIF    WV 0 1
   869  LOAD Y  853 703   3.55    154   3.55    144              GLOB UNIF    WV 0 1
   870  LOAD Z  853 703   3.55-    27   3.55-    25              GLOB UNIF    WV 0 1
   871  LOAD X  856 706   0.00    134   3.55    127              GLOB UNIF    WV 0 1
   872  LOAD Y  856 706   0.00    210   3.55    199              GLOB UNIF    WV 0 1
   873  LOAD Z  856 706   0.00     35   3.55     33              GLOB UNIF    WV 0 1
   874  LOAD X  856 706   3.55    127   3.55    120              GLOB UNIF    WV 0 1
   875  LOAD Y  856 706   3.55    199   3.55    187              GLOB UNIF    WV 0 1
   876  LOAD Z  856 706   3.55     33   3.55     31              GLOB UNIF    WV 0 1
   877  LOAD X  701 901   0.00     85   8.79     74              GLOB UNIF    WV 0 1
   878  LOAD Y  701 901   0.00    179   8.79    156              GLOB UNIF    WV 0 1
   879  LOAD Z  701 901   0.00-    03   8.79-    02              GLOB UNIF    WV 0 1
   880  LOAD X  701 901   8.79     77   8.79     66              GLOB UNIF    WV 0 1
   881  LOAD Y  701 901   8.79    156   8.79    138              GLOB UNIF    WV 0 1
   882  LOAD Z  701 901   8.79-    02   8.79-    02              GLOB UNIF    WV 0 1
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
883	LOAD X	701 801	17.57	66	8.79	59	GLOB	UNIF	WV	0	1
884	LOAD Y	701 801	17.57	138	8.79	122	GLOB	UNIF	WV	0	1
885	LOAD Z	701 801	17.57-	02	8.79-	02	GLOB	UNIF	WV	0	1
886	LOAD X	703 803	0.00	88	8.79	75	GLOB	UNIF	WV	0	1
887	LOAD Y	703 803	0.00	139	8.79	118	GLOB	UNIF	WV	0	1
888	LOAD Z	703 803	0.00-	24	8.79-	21	GLOB	UNIF	WV	0	1
889	LOAD X	703 803	8.79	75	8.79	64	GLOB	UNIF	WV	0	1
890	LOAD Y	703 803	8.79	118	8.79	102	GLOB	UNIF	WV	0	1
891	LOAD Z	703 803	8.79-	21	8.79-	16	GLOB	UNIF	WV	0	1
892	LOAD X	703 803	17.57	64	8.79	55	GLOB	UNIF	WV	0	1
893	LOAD Y	703 803	17.57	102	8.79	88	GLOB	UNIF	WV	0	1
894	LOAD Z	703 803	17.57-	18	8.79-	15	GLOB	UNIF	WV	0	1
895	LOAD X	706 806	0.00	112	8.79	99	GLOB	UNIF	WV	0	1
896	LOAD Y	706 806	0.00	176	8.79	155	GLOB	UNIF	WV	0	1
897	LOAD Z	706 806	0.00	29	8.79	26	GLOB	UNIF	WV	0	1
898	LOAD X	706 806	8.79	99	8.79	88	GLOB	UNIF	WV	0	1
899	LOAD Y	706 806	8.79	155	8.79	139	GLOB	UNIF	WV	0	1
900	LOAD Z	706 806	8.79	26	8.79	23	GLOB	UNIF	WV	0	1
901	LOAD X	706 806	17.57	88	8.79	79	GLOB	UNIF	WV	0	1
902	LOAD Y	706 806	17.57	139	8.79	125	GLOB	UNIF	WV	0	1
903	LOAD Z	706 806	17.57	23	8.79	21	GLOB	UNIF	WV	0	1
904	LOAD X	801 901	0.00	59	9.12	53	GLOB	UNIF	WV	0	1
905	LOAD Y	801 901	0.00	122	9.12	109	GLOB	UNIF	WV	0	1
906	LOAD Z	801 901	0.00-	02	9.12-	1	GLOB	UNIF	WV	0	1
907	LOAD X	801 901	9.12	53	9.12	49	GLOB	UNIF	WV	0	1
908	LOAD Y	801 901	9.12	109	9.12	98	GLOB	UNIF	WV	0	1
909	LOAD Z	801 901	9.12-	1	9.12-	1	GLOB	UNIF	WV	0	1
910	LOAD X	801 901	18.25	49	9.12	46	GLOB	UNIF	WV	0	1
911	LOAD Y	801 901	18.25	98	9.12	90	GLOB	UNIF	WV	0	1
912	LOAD Z	801 901	18.25-	1	9.12-	1	GLOB	UNIF	WV	0	1
913	LOAD X	803 903	0.00	55	9.12	48	GLOB	UNIF	WV	0	1
914	LOAD Y	803 903	0.00	88	9.12	76	GLOB	UNIF	WV	0	1
915	LOAD Z	803 903	0.00-	15	9.12-	13	GLOB	UNIF	WV	0	1
916	LOAD X	803 903	9.12	48	9.12	41	GLOB	UNIF	WV	0	1
917	LOAD Y	803 903	9.12	76	9.12	67	GLOB	UNIF	WV	0	1
918	LOAD Z	803 903	9.12-	13	9.12-	12	GLOB	UNIF	WV	0	1
919	LOAD X	803 903	18.25	41	9.12	36	GLOB	UNIF	WV	0	1
920	LOAD Y	803 903	18.25	67	9.12	59	GLOB	UNIF	WV	0	1
921	LOAD Z	803 903	18.25-	12	9.12-	10	GLOB	UNIF	WV	0	1
922	LOAD X	806 906	0.00	79	9.12	72	GLOB	UNIF	WV	0	1
923	LOAD Y	806 906	0.00	125	9.12	114	GLOB	UNIF	WV	0	1
924	LOAD Z	806 906	0.00	21	9.12	19	GLOB	UNIF	WV	0	1
925	LOAD X	806 906	9.12	72	9.12	66	GLOB	UNIF	WV	0	1
926	LOAD Y	806 906	9.12	114	9.12	106	GLOB	UNIF	WV	0	1
927	LOAD Z	806 906	9.12	19	9.12	18	GLOB	UNIF	WV	0	1
928	LOAD X	806 906	18.25	66	9.12	61	GLOB	UNIF	WV	0	1
929	LOAD Y	806 906	18.25	106	9.12	99	GLOB	UNIF	WV	0	1
930	LOAD Z	806 906	18.25	18	9.12	17	GLOB	UNIF	WV	0	1
931	LOAD X	9011001	0.00	46	9.12	44	GLOB	UNIF	WV	0	1

50 YR STORM

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
981	LOAD	X	206	301	20.49	32	4.05	56	GLOB	UNIF	WV	0 2
982	LOAD	Y	206	301	20.49	72	4.05	108	GLOB	UNIF	WV	0 2
983	LOAD	Z	206	301	20.49-	90	4.05-	126	GLOB	UNIF	WV	0 2
984	LOAD	X	206	301	24.54	56	4.05	72	GLOB	UNIF	WV	0 2
985	LOAD	Y	206	301	24.54	108	4.05	133	GLOB	UNIF	WV	0 2
986	LOAD	Z	206	301	24.54-	126	4.05-	153	GLOB	UNIF	WV	0 2
987	LOAD	X	206	301	28.59	72	4.05	76	GLOB	UNIF	WV	0 2
988	LOAD	Y	206	301	28.59	133	4.05	142	GLOB	UNIF	WV	0 2
989	LOAD	Z	206	301	28.59-	153	4.05-	164	GLOB	UNIF	WV	0 2
990	LOAD	X	301	403	0.00	13	13.55	13	GLOB	UNIF	WV	0 2
991	LOAD	Y	301	403	0.00	152	13.55	190	GLOB	UNIF	WV	0 2
992	LOAD	Z	301	403	0.00-	13	13.55-	13	GLOB	UNIF	WV	0 2
993	LOAD	X	301	403	13.55	13	13.55	12	GLOB	UNIF	WV	0 2
994	LOAD	Y	301	403	13.55	190	13.55	164	GLOB	UNIF	WV	0 2
995	LOAD	Z	301	403	13.55-	13	13.55-	12	GLOB	UNIF	WV	0 2
996	LOAD	X	301	403	27.11	12	13.55	11	GLOB	UNIF	WV	0 2
997	LOAD	Y	301	403	27.11	164	13.55	114	GLOB	UNIF	WV	0 2
998	LOAD	Z	301	403	27.11-	12	13.55-	11	GLOB	UNIF	WV	0 2
999	LOAD	Y	301	303	0.00	132	29.00	132	GLOB	UNIF	WV	0 2
1000	LOAD	Z	301	303	0.00-	20	29.00-	20	GLOB	UNIF	WV	0 2
1001	LOAD	X	303	306	0.00-	57	9.67-	54	GLOB	UNIF	WV	0 2
1002	LOAD	Y	303	306	0.00	33	9.67	31	GLOB	UNIF	WV	0 2
1003	LOAD	Z	303	306	0.00-	20	9.67-	13	GLOB	UNIF	WV	0 2
1004	LOAD	X	303	306	9.67-	54	9.67-	50	GLOB	UNIF	WV	0 2
1005	LOAD	Y	303	306	9.67	31	9.67	29	GLOB	UNIF	WV	0 2
1006	LOAD	Z	303	306	9.67-	13	9.67-	06	GLOB	UNIF	WV	0 2
1007	LOAD	X	303	306	19.33-	50	9.67		GLOB	UNIF	WV	0 2
1008	LOAD	Y	303	306	19.33	29	9.67		GLOB	UNIF	WV	0 2
1009	LOAD	Z	303	306	19.33-	06	9.67		GLOB	UNIF	WV	0 2
1010	LOAD	X	301	306	0.00	57	9.67	54	GLOB	UNIF	WV	0 2
1011	LOAD	Y	301	306	0.00	33	9.67	31	GLOB	UNIF	WV	0 2
1012	LOAD	Z	301	306	0.00-	20	9.67-	13	GLOB	UNIF	WV	0 2
1013	LOAD	X	301	306	9.67	54	9.67	50	GLOB	UNIF	WV	0 2
1014	LOAD	Y	301	306	9.67	31	9.67	29	GLOB	UNIF	WV	0 2
1015	LOAD	Z	301	306	9.67-	13	9.67-	06	GLOB	UNIF	WV	0 2
1016	LOAD	X	301	306	19.33	50	9.67		GLOB	UNIF	WV	0 2
1017	LOAD	Y	301	306	19.33	29	9.67		GLOB	UNIF	WV	0 2
1018	LOAD	Z	301	306	19.33-	06	9.67		GLOB	UNIF	WV	0 2
1019	LOAD	Y	501	502	0.00	70	15.15	70	GLOB	UNIF	WV	0 2
1020	LOAD	Z	501	502	0.00-	09	15.15-	09	GLOB	UNIF	WV	0 2
1021	LOAD	Y	502	503	0.00	70	15.15	70	GLOB	UNIF	WV	0 2
1022	LOAD	Z	502	503	0.00-	09	15.15-	09	GLOB	UNIF	WV	0 2
1023	LOAD	X	503	505	0.00-	30	15.15-	30	GLOB	UNIF	WV	0 2
1024	LOAD	Y	503	505	0.00	17	15.15	17	GLOB	UNIF	WV	0 2
1025	LOAD	Z	503	505	0.00-	09	15.15-	07	GLOB	UNIF	WV	0 2
1026	LOAD	X	505	506	0.00-	30	15.15-	29	GLOB	UNIF	WV	0 2
1027	LOAD	Y	505	506	0.00	17	15.15	17	GLOB	UNIF	WV	0 2
1028	LOAD	Z	505	506	0.00-	07	15.15-	03	GLOB	UNIF	WV	0 2
1029	LOAD	X	501	504	0.00	30	15.15	30	GLOB	UNIF	WV	0 2

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1030	LOAD	Y	501	504	0.00	17	15.15	17	GLOB	UNIF	WV	0 2
1031	LOAD	Z	501	504	0.00-	09	15.15-	07	GLOB	UNIF	WV	0 2
1032	LOAD	X	504	506	0.00	30	15.15	29	GLOB	UNIF	WV	0 2
1033	LOAD	Y	504	506	0.00	17	15.15	17	GLOB	UNIF	WV	0 2
1034	LOAD	Z	504	506	0.00-	07	15.15-	03	GLOB	UNIF	WV	0 2
1035	LOAD	X	502	504	0.00-	24	15.15-	24	GLOB	UNIF	WV	0 2
1036	LOAD	Y	502	504	0.00	14	15.15	14	GLOB	UNIF	WV	0 2
1037	LOAD	Z	502	504	0.00-	06	15.15-	04	GLOB	UNIF	WV	0 2
1038	LOAD	X	502	505	0.00	24	15.15	24	GLOB	UNIF	WV	0 2
1039	LOAD	Y	502	505	0.00	14	15.15	14	GLOB	UNIF	WV	0 2
1040	LOAD	Z	502	505	0.00-	06	15.15-	04	GLOB	UNIF	WV	0 2
1041	LOAD	Y	504	505	0.00	55	15.14	55	GLOB	UNIF	WV	0 2
1042	LOAD	Z	504	505	0.00-	04	15.14-	04	GLOB	UNIF	WV	0 2
1043	LOAD	X	501	513	0.00	23	3.00	23	GLOB	UNIF	WV	0 2
1044	LOAD	Y	501	513	0.00	39	3.00	39	GLOB	UNIF	WV	0 2
1045	LOAD	Z	501	513	0.00-	05	3.00-	05	GLOB	UNIF	WV	0 2
1046	LOAD	X	503	514	0.00-	23	3.00-	23	GLOB	UNIF	WV	0 2
1047	LOAD	Y	503	514	0.00	39	3.00	39	GLOB	UNIF	WV	0 2
1048	LOAD	Z	503	514	0.00-	05	3.00-	05	GLOB	UNIF	WV	0 2
1049	LOAD	Y	513	651	0.00	174	6.00	153	GLOB	UNIF	WV	0 2
1050	LOAD	Y	513	651	6.00	153	6.00	137	GLOB	UNIF	WV	0 2
1051	LOAD	Y	513	651	12.00	137	6.00	123	GLOB	UNIF	WV	0 2
1052	LOAD	Y	514	653	0.00	174	6.00	153	GLOB	UNIF	WV	0 2
1053	LOAD	Y	514	653	6.00	153	6.00	137	GLOB	UNIF	WV	0 2
1054	LOAD	Y	514	653	12.00	137	6.00	123	GLOB	UNIF	WV	0 2
1055	LOAD	Z	601	611	0.00-	06	6.00-	07	GLOB	UNIF	WV	0 2
1056	LOAD	Z	603	613	0.00-	06	6.00-	07	GLOB	UNIF	WV	0 2
1057	LOAD	Y	611	612	0.00	45	16.01	45	GLOB	UNIF	WV	0 2
1058	LOAD	Z	611	612	0.00-	05	16.01-	05	GLOB	UNIF	WV	0 2
1059	LOAD	Y	612	613	0.00	45	16.01	45	GLOB	UNIF	WV	0 2
1060	LOAD	Z	612	613	0.00-	05	16.01-	05	GLOB	UNIF	WV	0 2
1061	LOAD	Y	661	662	0.00	81	17.75	81	GLOB	UNIF	WV	0 2
1062	LOAD	Z	661	662	0.00-	05	17.75-	05	GLOB	UNIF	WV	0 2
1063	LOAD	Y	662	663	0.00	81	17.75	81	GLOB	UNIF	WV	0 2
1064	LOAD	Z	662	663	0.00-	05	17.75-	05	GLOB	UNIF	WV	0 2
1065	LOAD	X	611	661	0.00-	04	6.06-	04	GLOB	UNIF	WV	0 2
1066	LOAD	Y	611	661	0.00	109	6.06	98	GLOB	UNIF	WV	0 2
1067	LOAD	Z	611	661	0.00-	1	6.06-	1	GLOB	UNIF	WV	0 2
1068	LOAD	X	611	661	6.06-	04	6.06-	04	GLOB	UNIF	WV	0 2
1069	LOAD	Y	611	661	6.06	96	6.06	88	GLOB	UNIF	WV	0 2
1070	LOAD	Z	611	661	6.06-	1	6.06		GLOB	UNIF	WV	0 2
1071	LOAD	Y	612	662	0.00	74	6.00	66	GLOB	UNIF	WV	0 2
1072	LOAD	Y	612	662	6.00	66	6.00	59	GLOB	UNIF	WV	0 2
1073	LOAD	X	613	663	0.00	04	6.06	04	GLOB	UNIF	WV	0 2
1074	LOAD	Y	613	663	0.00	109	6.06	98	GLOB	UNIF	WV	0 2
1075	LOAD	Z	613	663	0.00-	1	6.06-	1	GLOB	UNIF	WV	0 2
1076	LOAD	X	613	663	6.06	04	6.06	04	GLOB	UNIF	WV	0 2
1077	LOAD	Y	613	663	6.06	96	6.06	88	GLOB	UNIF	WV	0 2
1078	LOAD	Z	613	663	6.06-	1	6.06		GLOB	UNIF	WV	0 2

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1079  LOAD X  501 642   0.00    03  10.12    03                GLOB UNIF     WV 0 2
    1080  LOAD Y  501 642   0.00    87  10.12    77                GLOB UNIF     WV 0 2
    1081  LOAD Z  501 642   0.00-   12  10.12-   11                GLOB UNIF     WV 0 2
    1082  LOAD X  501 642  10.12    03  10.12    03                GLOB UNIF     WV 0 2
    1083  LOAD Y  501 642  10.12    77  10.12    69                GLOB UNIF     WV 0 2
    1084  LOAD Z  501 642  10.12-   11  10.12-   10                GLOB UNIF     WV 0 2
    1085  LOAD X  503 645   0.00-   26   6.75-   23                GLOB UNIF     WV 0 2
    1086  LOAD Y  503 645   0.00    36   6.75    33                GLOB UNIF     WV 0 2
    1087  LOAD Z  503 645   0.00    28   6.75    26                GLOB UNIF     WV 0 2
    1088  LOAD X  503 645   6.75-   23   6.75-   22                GLOB UNIF     WV 0 2
    1089  LOAD Y  503 645   6.75    33   6.75    31                GLOB UNIF     WV 0 2
    1090  LOAD Z  503 645   6.75    26   6.75    25                GLOB UNIF     WV 0 2
    1091  LOAD X  503 645  13.50-   22   6.75-   20                GLOB UNIF     WV 0 2
    1092  LOAD Y  503 645  13.50    31   6.75    29                GLOB UNIF     WV 0 2
    1093  LOAD Z  503 645  13.50    25   6.75    23                GLOB UNIF     WV 0 2
    1094  LOAD X  506 644   0.00    24  10.12    21                GLOB UNIF     WV 0 2
    1095  LOAD Y  506 644   0.00    49  10.12    47                GLOB UNIF     WV 0 2
    1096  LOAD Z  506 644   0.00-   38  10.12-   37                GLOB UNIF     WV 0 2
    1097  LOAD X  506 644  10.12    21  10.12    18                GLOB UNIF     WV 0 2
    1098  LOAD Y  506 644  10.12    47  10.12    43                GLOB UNIF     WV 0 2
    1099  LOAD Z  506 644  10.12-   37  10.12-   35                GLOB UNIF     WV 0 2
    1100  LOAD X  642 703   0.00    02   7.31    02                GLOB UNIF     WV 0 2
    1101  LOAD Y  642 703   0.00   104   7.31    96                GLOB UNIF     WV 0 2
    1102  LOAD Z  642 703   0.00-   11   7.31-   10                GLOB UNIF     WV 0 2
    1103  LOAD X  642 703   7.31    02   7.31    02                GLOB UNIF     WV 0 2
    1104  LOAD Y  642 703   7.31    96   7.31    89                GLOB UNIF     WV 0 2
    1105  LOAD Z  642 703   7.31-   10   7.31-   10                GLOB UNIF     WV 0 2
    1106  LOAD X  642 703  14.62    02   7.31    02                GLOB UNIF     WV 0 2
    1107  LOAD Y  642 703  14.62    89   7.31    82                GLOB UNIF     WV 0 2
    1108  LOAD Z  642 703  14.62-   10   7.31-   09                GLOB UNIF     WV 0 2
    1109  LOAD X  645 706   0.00-   29   7.31-   26                GLOB UNIF     WV 0 2
    1110  LOAD Y  645 706   0.00    46   7.31    42                GLOB UNIF     WV 0 2
    1111  LOAD Z  645 706   0.00    38   7.31    36                GLOB UNIF     WV 0 2
    1112  LOAD X  645 706   7.31-   26   7.31-   24                GLOB UNIF     WV 0 2
    1113  LOAD Y  645 706   7.31    42   7.31    39                GLOB UNIF     WV 0 2
    1114  LOAD Z  645 706   7.31    36   7.31    33                GLOB UNIF     WV 0 2
    1115  LOAD X  645 706  14.62-   24   7.31-   21                GLOB UNIF     WV 0 2
    1116  LOAD Y  645 706  14.62    39   7.31    36                GLOB UNIF     WV 0 2
    1117  LOAD Z  645 706  14.62    33   7.31    31                GLOB UNIF     WV 0 2
    1118  LOAD X  644 701   0.00    28  10.97    25                GLOB UNIF     WV 0 2
    1119  LOAD Y  644 701   0.00    61  10.97    55                GLOB UNIF     WV 0 2
    1120  LOAD Z  644 701   0.00-   48  10.97-   44                GLOB UNIF     WV 0 2
    1121  LOAD X  644 701  10.97    25  10.97    22                GLOB UNIF     WV 0 2
    1122  LOAD Y  644 701  10.97    55  10.97    49                GLOB UNIF     WV 0 2
    1123  LOAD Z  644 701  10.97-   44  10.97-   39                GLOB UNIF     WV 0 2
    1124  LOAD Y  701 702   0.00    55  16.76    55                GLOB UNIF     WV 0 2
    1125  LOAD Z  701 702   0.00-   03  16.76-   03                GLOB UNIF     WV 0 2
    1126  LOAD Y  702 703   0.00    55  16.76    55                GLOB UNIF     WV 0 2
    1127  LOAD Z  702 703   0.00-   03  16.76-   03                GLOB UNIF     WV 0 2
```

STRAN INPUT DATA

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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
1128	LOAD X	703	705	0.00-	24	18.76-	23	GLOB UNIF	WV 0 2
1129	LOAD Y	703	705	0.00	14	18.76	14	GLOB UNIF	WV 0 2
1130	LOAD Z	703	705	0.00-	03	18.76-	02	GLOB UNIF	WV 0 2
1131	LOAD X	705	706	0.00-	23	18.75-	22	GLOB UNIF	WV 0 2
1132	LOAD Y	705	706	0.00	14	18.75	13	GLOB UNIF	WV 0 2
1133	LOAD Z	705	706	0.00-	02	18.75		GLOB UNIF	WV 0 2
1134	LOAD X	701	704	0.00	24	18.76	23	GLOB UNIF	WV 0 2
1135	LOAD Y	701	704	0.00	14	18.76	14	GLOB UNIF	WV 0 2
1136	LOAD Z	701	704	0.00-	03	18.76-	02	GLOB UNIF	WV 0 2
1137	LOAD X	704	706	0.00	23	18.75	22	GLOB UNIF	WV 0 2
1138	LOAD Y	704	706	0.00	14	18.75	13	GLOB UNIF	WV 0 2
1139	LOAD Z	704	706	0.00-	02	18.75		GLOB UNIF	WV 0 2
1140	LOAD X	702	704	0.00-	21	18.76-	21	GLOB UNIF	WV 0 2
1141	LOAD Y	702	704	0.00	12	18.76	12	GLOB UNIF	WV 0 2
1142	LOAD Z	702	704	0.00-	08	18.76-	07	GLOB UNIF	WV 0 2
1143	LOAD X	702	705	0.00	21	18.76	21	GLOB UNIF	WV 0 2
1144	LOAD Y	702	705	0.00	12	18.76	12	GLOB UNIF	WV 0 2
1145	LOAD Z	702	705	0.00-	08	18.76-	07	GLOB UNIF	WV 0 2
1146	LOAD Y	704	705	0.00	49	18.76	49	GLOB UNIF	WV 0 2
1147	LOAD Z	704	705	0.00-	07	18.76-	07	GLOB UNIF	WV 0 2
1148	LOAD X	701	806	0.00	26	16.27	23	GLOB UNIF	WV 0 2
1149	LOAD Y	701	806	0.00	31	16.27	28	GLOB UNIF	WV 0 2
1150	LOAD Z	701	806	0.00	26	16.27	23	GLOB UNIF	WV 0 2
1151	LOAD X	701	806	16.27	25	16.27	19	GLOB UNIF	WV 0 2
1152	LOAD Y	701	806	16.27	28	16.27	25	GLOB UNIF	WV 0 2
1153	LOAD Z	701	806	16.27	23	16.27	21	GLOB UNIF	WV 0 2
1154	LOAD X	701	806	32.55	19	16.27	16	GLOB UNIF	WV 0 2
1155	LOAD Y	701	806	32.55	25	16.27	22	GLOB UNIF	WV 0 2
1156	LOAD Z	701	806	32.55	21	16.27	19	GLOB UNIF	WV 0 2
1157	LOAD X	703	801	0.00-	02	16.28-	1	GLOB UNIF	WV 0 2
1158	LOAD Y	703	801	0.00	82	16.28	71	GLOB UNIF	WV 0 2
1159	LOAD Z	703	801	0.00-	09	16.28-	08	GLOB UNIF	WV 0 2
1160	LOAD X	703	801	16.28-	1	16.28-	1	GLOB UNIF	WV 0 2
1161	LOAD Y	703	801	16.28	71	16.28	63	GLOB UNIF	WV 0 2
1162	LOAD Z	703	801	16.28-	08	16.28-	07	GLOB UNIF	WV 0 2
1163	LOAD X	703	801	32.55-	1	16.28-	1	GLOB UNIF	WV 0 2
1164	LOAD Y	703	801	32.55	63	16.28	55	GLOB UNIF	WV 0 2
1165	LOAD Z	703	801	32.55-	07	16.28-	06	GLOB UNIF	WV 0 2
1166	LOAD X	706	803	0.00-	25	16.28-	22	GLOB UNIF	WV 0 2
1167	LOAD Y	706	803	0.00	41	16.28	39	GLOB UNIF	WV 0 2
1168	LOAD Z	706	803	0.00-	33	16.28-	33	GLOB UNIF	WV 0 2
1169	LOAD X	706	803	16.28-	22	16.28-	19	GLOB UNIF	WV 0 2
1170	LOAD Y	706	803	16.28	39	16.28	34	GLOB UNIF	WV 0 2
1171	LOAD Z	706	803	16.28-	33	16.28-	29	GLOB UNIF	WV 0 2
1172	LOAD X	706	803	32.55-	19	16.28-	16	GLOB UNIF	WV 0 2
1173	LOAD Y	706	803	32.55	34	16.28	30	GLOB UNIF	WV 0 2
1174	LOAD Z	706	803	32.55-	29	16.28-	25	GLOB UNIF	WV 0 2
1175	LOAD Y	801	802	0.00	37	22.51	37	GLOB UNIF	WV 0 2
1176	LOAD Z	801	802	0.00-	02	22.51-	02	GLOB UNIF	WV 0 2

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LINE NO.											
1177	LOAD	Y	802	803	0.00	37	22.51	37	GLOB	UNIF	WV 0 2
1178	LOAD	Z	802	803	0.00-	02	22.51-	02	GLOB	UNIF	WV 0 2
1179	LOAD	X	803	805	0.00-	16	22.51-	16	GLOB	UNIF	WV 0 2
1180	LOAD	Y	803	805	0.00	09	22.51	09	GLOB	UNIF	WV 0 2
1181	LOAD	Z	803	805	0.00-	02	22.51-	02	GLOB	UNIF	WV 0 2
1182	LOAD	X	805	806	0.00-	16	11.25-	15	GLOB	UNIF	WV 0 2
1183	LOAD	Y	805	806	0.00	09	11.25	09	GLOB	UNIF	WV 0 2
1184	LOAD	Z	805	806	0.00-	02	11.25-	1	GLOB	UNIF	WV 0 2
1185	LOAD	X	805	806	11.25-	15	11.25-	15	GLOB	UNIF	WV 0 2
1186	LOAD	Y	805	806	11.25	09	11.25	08	GLOB	UNIF	WV 0 2
1187	LOAD	Z	805	806	11.25-	1	11.25		GLOB	UNIF	WV 0 2
1188	LOAD	X	801	804	0.00	16	22.51	16	GLOB	UNIF	WV 0 2
1189	LOAD	Y	801	804	0.00	09	22.51	09	GLOB	UNIF	WV 0 2
1190	LOAD	Z	801	804	0.00-	02	22.51-	02	GLOB	UNIF	WV 0 2
1191	LOAD	X	804	806	0.00	16	11.25	15	GLOB	UNIF	WV 0 2
1192	LOAD	Y	804	806	0.00	09	11.25	09	GLOB	UNIF	WV 0 2
1193	LOAD	Z	804	806	0.00-	02	11.25-	1	GLOB	UNIF	WV 0 2
1194	LOAD	X	804	806	11.25	15	11.25	15	GLOB	UNIF	WV 0 2
1195	LOAD	Y	804	806	11.25	09	11.25	08	GLOB	UNIF	WV 0 2
1196	LOAD	Z	804	806	11.25-	1	11.25		GLOB	UNIF	WV 0 2
1197	LOAD	X	802	804	0.00-	14	22.52-	14	GLOB	UNIF	WV 0 2
1198	LOAD	Y	802	804	0.00	08	22.52	08	GLOB	UNIF	WV 0 2
1199	LOAD	Z	802	804	0.00-	05	22.52-	04	GLOB	UNIF	WV 0 2
1200	LOAD	X	802	805	0.00	14	22.52	14	GLOB	UNIF	WV 0 2
1201	LOAD	Y	802	805	0.00	08	22.52	08	GLOB	UNIF	WV 0 2
1202	LOAD	Z	802	805	0.00-	05	22.52-	04	GLOB	UNIF	WV 0 2
1203	LOAD	Y	804	805	0.00	33	22.52	33	GLOB	UNIF	WV 0 2
1204	LOAD	Z	804	805	0.00-	04	22.52-	04	GLOB	UNIF	WV 0 2
1205	LOAD	X	801	903	0.00	1	18.64		GLOB	UNIF	WV 0 2
1206	LOAD	Y	801	903	0.00	55	18.64	49	GLOB	UNIF	WV 0 2
1207	LOAD	Z	801	903	0.00-	06	18.64-	05	GLOB	UNIF	WV 0 2
1208	LOAD	Y	801	903	18.64	49	18.64	44	GLOB	UNIF	WV 0 2
1209	LOAD	Z	801	903	18.64-	05	18.64-	04	GLOB	UNIF	WV 0 2
1210	LOAD	Y	801	903	37.28	44	18.64	40	GLOB	UNIF	WV 0 2
1211	LOAD	Z	801	903	37.28-	04	18.64-	03	GLOB	UNIF	WV 0 2
1212	LOAD	X	803	906	0.00-	19	18.64-	17	GLOB	UNIF	WV 0 2
1213	LOAD	Y	803	906	0.00	19	18.64	18	GLOB	UNIF	WV 0 2
1214	LOAD	Z	803	906	0.00	16	18.64	15	GLOB	UNIF	WV 0 2
1215	LOAD	X	803	906	18.64-	17	18.64-	15	GLOB	UNIF	WV 0 2
1216	LOAD	Y	803	906	18.64	18	18.64	17	GLOB	UNIF	WV 0 2
1217	LOAD	Z	803	906	18.64	15	18.64	14	GLOB	UNIF	WV 0 2
1218	LOAD	X	803	906	37.28-	15	18.64-	13	GLOB	UNIF	WV 0 2
1219	LOAD	Y	803	906	37.28	17	18.64	15	GLOB	UNIF	WV 0 2
1220	LOAD	Z	803	906	37.28	14	18.64	14	GLOB	UNIF	WV 0 2
1221	LOAD	X	806	901	0.00	16	18.64	17	GLOB	UNIF	WV 0 2
1222	LOAD	Y	806	901	0.00	26	18.64	25	GLOB	UNIF	WV 0 2
1223	LOAD	Z	806	901	0.00-	22	18.64-	21	GLOB	UNIF	WV 0 2
1224	LOAD	X	806	901	18.64	17	18.64	15	GLOB	UNIF	WV 0 2
1225	LOAD	Y	806	901	18.64	25	18.64	22	GLOB	UNIF	WV 0 2

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1226	LOAD	Z	806 901	18.64-	21	18.64-	19	GLOB UNIF	WV 0 2
1227	LOAD	X	806 901	37.28	15	18.64	13	GLOB UNIF	WV 0 2
1228	LOAD	Y	806 901	37.28	22	18.64	20	GLOB UNIF	WV 0 2
1229	LOAD	Z	806 901	37.28-	19	18.64-	17	GLOB UNIF	WV 0 2
1230	LOAD	Y	901 902	0.00	30	26.41	30	GLOB UNIF	WV 0 2
1231	LOAD	Z	901 902	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1232	LOAD	Y	902 903	0.00	30	26.41	30	GLOB UNIF	WV 0 2
1233	LOAD	Z	902 903	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1234	LOAD	X	903 905	0.00-	13	26.41-	13	GLOB UNIF	WV 0 2
1235	LOAD	Y	903 905	0.00	07	26.41	07	GLOB UNIF	WV 0 2
1236	LOAD	Z	903 905	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1237	LOAD	X	905 906	0.00-	13	26.41-	12	GLOB UNIF	WV 0 2
1238	LOAD	Y	905 906	0.00	07	26.41	07	GLOB UNIF	WV 0 2
1239	LOAD	Z	905 906	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1240	LOAD	X	901 904	0.00	13	26.41	13	GLOB UNIF	WV 0 2
1241	LOAD	Y	901 904	0.00	07	26.41	07	GLOB UNIF	WV 0 2
1242	LOAD	Z	901 904	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1243	LOAD	X	904 906	0.00	13	26.41	12	GLOB UNIF	WV 0 2
1244	LOAD	Y	904 906	0.00	07	26.41	07	GLOB UNIF	WV 0 2
1245	LOAD	Z	904 906	0.00-	1	26.41-	1	GLOB UNIF	WV 0 2
1246	LOAD	X	902 904	0.00-	10	26.41-	11	GLOB UNIF	WV 0 2
1247	LOAD	Y	902 904	0.00	06	26.41	06	GLOB UNIF	WV 0 2
1248	LOAD	Z	902 904	0.00-	02	26.41-	02	GLOB UNIF	WV 0 2
1249	LOAD	X	902 905	0.00	10	26.41	11	GLOB UNIF	WV 0 2
1250	LOAD	Y	902 905	0.00	06	26.41	06	GLOB UNIF	WV 0 2
1251	LOAD	Z	902 905	0.00-	02	26.41-	02	GLOB UNIF	WV 0 2
1252	LOAD	Y	904 905	0.00	25	26.40	25	GLOB UNIF	WV 0 2
1253	LOAD	Z	904 905	0.00-	02	26.40-	02	GLOB UNIF	WV 0 2
1254	LOAD	X	9011002	0.00		12.61-	1	GLOB UNIF	WV 0 2
1255	LOAD	Y	9011002	0.00	33	12.61	31	GLOB UNIF	WV 0 2
1256	LOAD	Z	9011002	0.00-	02	12.61-	02	GLOB UNIF	WV 0 2
1257	LOAD	X	9011002	12.61-	1	12.61-	1	GLOB UNIF	WV 0 2
1258	LOAD	Y	9011002	12.61	31	12.61	26	GLOB UNIF	WV 0 2
1259	LOAD	Z	9011002	12.61-	02	12.61-	1	GLOB UNIF	WV 0 2
1260	LOAD	X	9011002	25.22-	1	12.61		GLOB UNIF	WV 0 2
1261	LOAD	Y	9011002	25.22	26	12.61	02	GLOB UNIF	WV 0 2
1262	LOAD	Z	9011002	25.22-	1	12.61		GLOB UNIF	WV 0 2
1263	LOAD	X	9031002	0.00		12.61	1	GLOB UNIF	WV 0 2
1264	LOAD	Y	9031002	0.00	33	12.61	31	GLOB UNIF	WV 0 2
1265	LOAD	Z	9031002	0.00-	02	12.61-	02	GLOB UNIF	WV 0 2
1266	LOAD	X	9031002	12.61	1	12.61	1	GLOB UNIF	WV 0 2
1267	LOAD	Y	9031002	12.61	31	12.61	26	GLOB UNIF	WV 0 2
1268	LOAD	Z	9031002	12.61-	02	12.61-	1	GLOB UNIF	WV 0 2
1269	LOAD	X	9031002	25.22	1	12.61		GLOB UNIF	WV 0 2
1270	LOAD	Y	9031002	25.22	26	12.61	02	GLOB UNIF	WV 0 2
1271	LOAD	Z	9031002	25.22-	1	12.61		GLOB UNIF	WV 0 2
1272	LOAD	X	9031005	0.00-	07	12.61-	06	GLOB UNIF	WV 0 2
1273	LOAD	Y	9031005	0.00	19	12.61	18	GLOB UNIF	WV 0 2
1274	LOAD	Z	9031005	0.00	14	12.61	14	GLOB UNIF	WV 0 2

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LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1275  LOAD X  9031005   12.61-    06  12.61-    05               GLOB UNIF    WV 0 2
    1276  LOAD Y  9031005   12.61     18  12.61     16               GLOB UNIF    WV 0 2
    1277  LOAD Z  9031005   12.61     14  12.61     12               GLOB UNIF    WV 0 2
    1278  LOAD X  9031005   25.23-    05  12.61-     1               GLOB UNIF    WV 0 2
    1279  LOAD Y  9031005   25.23     16  12.61     02               GLOB UNIF    WV 0 2
    1280  LOAD Z  9031005   25.23     12  12.61      1               GLOB UNIF    WV 0 2
    1281  LOAD X  9061005    0.00-    07  12.61-    07               GLOB UNIF    WV 0 2
    1282  LOAD Y  9061005    0.00     22  12.61     21               GLOB UNIF    WV 0 2
    1283  LOAD Z  9061005    0.00-    13  12.61-    13               GLOB UNIF    WV 0 2
    1284  LOAD X  9061005   12.61-    07  12.61-    06               GLOB UNIF    WV 0 2
    1285  LOAD Y  9061005   12.61     21  12.61     18               GLOB UNIF    WV 0 2
    1286  LOAD Z  9061005   12.61-    13  12.61-    11               GLOB UNIF    WV 0 2
    1287  LOAD X  9061005   25.22-    06  12.61-     1               GLOB UNIF    WV 0 2
    1288  LOAD Y  9061005   25.22     18  12.61     02               GLOB UNIF    WV 0 2
    1289  LOAD Z  9061005   25.22-    11  12.61-     1               GLOB UNIF    WV 0 2
    1290  LOAD X  9011004    0.00     07  12.61     06               GLOB UNIF    WV 0 2
    1291  LOAD Y  9011004    0.00     19  12.61     16               GLOB UNIF    WV 0 2
    1292  LOAD Z  9011004    0.00     14  12.61     14               GLOB UNIF    WV 0 2
    1293  LOAD X  9011004   12.61     06  12.61     05               GLOB UNIF    WV 0 2
    1294  LOAD Y  9011004   12.61     18  12.61     16               GLOB UNIF    WV 0 2
    1295  LOAD Z  9011004   12.61     14  12.61     12               GLOB UNIF    WV 0 2
    1296  LOAD X  9011004   25.23     05  12.61      1               GLOB UNIF    WV 0 2
    1297  LOAD Y  9011004   25.23     16  12.61     02               GLOB UNIF    WV 0 2
    1298  LOAD Z  9011004   25.23     12  12.61      1               GLOB UNIF    WV 0 2
    1299  LOAD X  9061004    0.00     07  12.61     07               GLOB UNIF    WV 0 2
    1300  LOAD Y  9061004    0.00     22  12.61     21               GLOB UNIF    WV 0 2
    1301  LOAD Z  9061004    0.00-    13  12.61-    13               GLOB UNIF    WV 0 2
    1302  LOAD X  9061004   12.61     07  12.61     06               GLOB UNIF    WV 0 2
    1303  LOAD Y  9061004   12.61     21  12.61     18               GLOB UNIF    WV 0 2
    1304  LOAD Z  9061004   12.61-    13  12.61-    11               GLOB UNIF    WV 0 2
    1305  LOAD X  9061004   25.22     06  12.61      1               GLOB UNIF    WV 0 2
    1306  LOAD Y  9061004   25.22     18  12.61     02               GLOB UNIF    WV 0 2
    1307  LOAD Z  9061004   25.22-    11  12.61-     1               GLOB UNIF    WV 0 2
    1308  LOAD Y 10011002    0.00     02  30.31     02               GLOB UNIF    WV 0 2
    1309  LOAD Y 10021003    0.00     02  30.31     02               GLOB UNIF    WV 0 2
    1310  LOAD X 10031005    0.00-     1  10.10-     1               GLOB UNIF    WV 0 2
    1311  LOAD Y 10031005    0.00         10.10      1               GLOB UNIF    WV 0 2
    1312  LOAD X 10031005   10.10-     1  10.10-    02               GLOB UNIF    WV 0 2
    1313  LOAD Y 10031005   10.10      1  10.10      1               GLOB UNIF    WV 0 2
    1314  LOAD X 10031005   20.21-    02  10.10-    02               GLOB UNIF    WV 0 2
    1315  LOAD Y 10031005   20.21      1  10.10      1               GLOB UNIF    WV 0 2
    1316  LOAD X 10051006    0.00-    02  10.10-    02               GLOB UNIF    WV 0 2
    1317  LOAD Y 10051006    0.00      1  10.10      1               GLOB UNIF    WV 0 2
    1318  LOAD X 10051006   10.10-    02  10.10-    03               GLOB UNIF    WV 0 2
    1319  LOAD Y 10051006   10.10      1  10.10     02               GLOB UNIF    WV 0 2
    1320  LOAD X 10051006   20.20-    03  10.10-    03               GLOB UNIF    WV 0 2
    1321  LOAD Y 10051006   20.20     02  10.10     02               GLOB UNIF    WV 0 2
    1322  LOAD X 10011004    0.00      1  10.10      1               GLOB UNIF    WV 0 2
    1323  LOAD Y 10011004    0.00         10.10      1               GLOB UNIF    WV 0 2
```

S T R A N   I N P U T   D A T A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1324   LOAD X 10011004    10.10      1  10.10      02               GLOB UNIF     WV 0 2
  1325   LOAD Y 10011004    10.10      1  10.10       1               GLOB UNIF     WV 0 2
  1326   LOAD X 10011004    20.21     02  10.10      02               GLOB UNIF     WV 0 2
  1327   LOAD Y 10011004    20.21      1  10.10       1               GLOB UNIF     WV 0 2
  1328   LOAD X 10041006     0.00     02  10.10      02               GLOB UNIF     WV 0 2
  1329   LOAD Y 10041006     0.00      1  10.10       1               GLOB UNIF     WV 0 2
  1330   LOAD X 10041006    10.10     02  10.10      03               GLOB UNIF     WV 0 2
  1331   LOAD Y 10041006    10.10      1  10.10      02               GLOB UNIF     WV 0 2
  1332   LOAD X 10041006    20.20     03  10.10      03               GLOB UNIF     WV 0 2
  1333   LOAD Y 10041006    20.20     02  10.10      02               GLOB UNIF     WV 0 2
  1334   LOAD X 10021004     0.00-     1  15.15-      1               GLOB UNIF     WV 0 2
  1335   LOAD X 10021004    15.15-     1  15.15-      1               GLOB UNIF     WV 0 2
  1336   LOAD Y 10021004    15.15         15.15       1               GLOB UNIF     WV 0 2
  1337   LOAD X 10021005     0.00      1  15.15       1               GLOB UNIF     WV 0 2
  1338   LOAD X 10021005    15.15      1  15.15       1               GLOB UNIF     WV 0 2
  1339   LOAD Y 10021005    15.15         15.15       1               GLOB UNIF     WV 0 2
  1340   LOAD Y 10041005     0.00     03  30.30      03               GLOB UNIF     WV 0 2
  1341   LOAD Y  201 301     6.44     95   2.85     131               GLOB UNIF     WV 0 2
  1342   LOAD Y  201 301     9.29    131   2.85     167               GLOB UNIF     WV 0 2
  1343   LOAD Y  201 301    12.15    167   2.85     190               GLOB UNIF     WV 0 2
  1344   LOAD Y  203 303     6.44     95   2.85     131               GLOB UNIF     WV 0 2
  1345   LOAD Y  203 303     9.29    131   2.85     167               GLOB UNIF     WV 0 2
  1346   LOAD Y  203 303    12.15    167   2.85     190               GLOB UNIF     WV 0 2
  1347   LOAD Y  301 401     0.00    190   9.50     238               GLOB UNIF     WV 0 2
  1348   LOAD Y  301 401     9.50    238   9.50     206               GLOB UNIF     WV 0 2
  1349   LOAD Y  301 401    19.00    206   9.50     143               GLOB UNIF     WV 0 2
  1350   LOAD Y  303 403     0.00    190   9.50     238               GLOB UNIF     WV 0 2
  1351   LOAD Y  303 403     9.50    238   9.50     206               GLOB UNIF     WV 0 2
  1352   LOAD Y  303 403    19.00    206   9.50     143               GLOB UNIF     WV 0 2
  1353   LOAD Y  306 406     0.00          9.50     205               GLOB UNIF     WV 0 2
  1354   LOAD Y  306 406     9.50    205   9.50     210               GLOB UNIF     WV 0 2
  1355   LOAD Y  306 406    19.00    210   9.50     148               GLOB UNIF     WV 0 2
  1356   LOAD X  401 501     0.00-    09   4.56-     09               GLOB UNIF     WV 0 2
  1357   LOAD Y  401 501     0.00    234   4.56     214               GLOB UNIF     WV 0 2
  1358   LOAD Z  401 501     0.00-    21   4.56-     19               GLOB UNIF     WV 0 2
  1359   LOAD X  403 503     0.00     09   4.56      09               GLOB UNIF     WV 0 2
  1360   LOAD Y  403 503     0.00    234   4.56     214               GLOB UNIF     WV 0 2
  1361   LOAD Z  403 503     0.00-    21   4.56-     19               GLOB UNIF     WV 0 2
  1362   LOAD Y  406 506     0.00    240   4.56     220               GLOB UNIF     WV 0 2
  1363   LOAD Z  406 506     0.00     40   4.56      37               GLOB UNIF     WV 0 2
  1364   LOAD X  501 601     0.00-    09   3.04-     08               GLOB UNIF     WV 0 2
  1365   LOAD Y  501 601     0.00    214   3.04     200               GLOB UNIF     WV 0 2
  1366   LOAD Z  501 601     0.00-    19   3.04-     18               GLOB UNIF     WV 0 2
  1367   LOAD X  501 601     3.04-    08   3.04-     08               GLOB UNIF     WV 0 2
  1368   LOAD Y  501 601     3.04    200   3.04     188               GLOB UNIF     WV 0 2
  1369   LOAD Z  501 601     3.04-    18   3.04-     17               GLOB UNIF     WV 0 2
  1370   LOAD X  503 603     0.00     09   3.04      08               GLOB UNIF     WV 0 2
  1371   LOAD Y  503 603     0.00    214   3.04     200               GLOB UNIF     WV 0 2
  1372   LOAD Z  503 603     0.00-    19   3.04-     18               GLOB UNIF     WV 0 2
```

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1373	LOAD	X	503 603	3.04	08	3.04	08	GLOB	UNIF	WV	0 2
1374	LOAD	Y	503 603	3.04	200	3.04	188	GLOB	UNIF	WV	0 2
1375	LOAD	Z	503 603	3.04-	18	3.04-	17	GLOB	UNIF	WV	0 2
1376	LOAD	Y	506 606	0.00	220	3.04	207	GLOB	UNIF	WV	0 2
1377	LOAD	Z	506 606	0.00	36	3.04	34	GLOB	UNIF	WV	0 2
1378	LOAD	Y	506 606	3.04	207	3.04	195	GLOB	UNIF	WV	0 2
1379	LOAD	Z	506 606	3.04	34	3.04	32	GLOB	UNIF	WV	0 2
1380	LOAD	X	601 641	0.00-	08	3.04-	08	GLOB	UNIF	WV	0 2
1381	LOAD	Y	601 641	0.00	188	3.04	176	GLOB	UNIF	WV	0 2
1382	LOAD	Z	601 641	0.00-	17	3.04-	16	GLOB	UNIF	WV	0 2
1383	LOAD	X	601 641	3.04-	08	3.04-	08	GLOB	UNIF	WV	0 2
1384	LOAD	Y	601 641	3.04	178	3.04	168	GLOB	UNIF	WV	0 2
1385	LOAD	Z	601 641	3.04-	16	3.04-	15	GLOB	UNIF	WV	0 2
1386	LOAD	X	603 643	0.00	08	3.04	08	GLOB	UNIF	WV	0 2
1387	LOAD	Y	603 643	0.00	188	3.04	178	GLOB	UNIF	WV	0 2
1388	LOAD	Z	603 643	0.00-	17	3.04-	16	GLOB	UNIF	WV	0 2
1389	LOAD	X	603 643	3.04	08	3.04	08	GLOB	UNIF	WV	0 2
1390	LOAD	Y	603 643	3.04	178	3.04	168	GLOB	UNIF	WV	0 2
1391	LOAD	Z	603 643	3.04-	16	3.04-	15	GLOB	UNIF	WV	0 2
1392	LOAD	Y	606 646	0.00	195	6.08	175	GLOB	UNIF	WV	0 2
1393	LOAD	Z	606 646	0.00	33	6.08	29	GLOB	UNIF	WV	0 2
1394	LOAD	X	641 651	0.00-	17	3.04-	17	GLOB	UNIF	WV	0 2
1395	LOAD	Y	641 651	0.00	245	3.04	231	GLOB	UNIF	WV	0 2
1396	LOAD	Z	641 651	0.00-	23	3.04-	22	GLOB	UNIF	WV	0 2
1397	LOAD	X	641 651	3.04-	17	3.04-	16	GLOB	UNIF	WV	0 2
1398	LOAD	Y	641 651	3.04	231	3.04	219	GLOB	UNIF	WV	0 2
1399	LOAD	Z	641 651	3.04-	22	3.04-	20	GLOB	UNIF	WV	0 2
1400	LOAD	X	643 653	0.00	17	3.04	17	GLOB	UNIF	WV	0 2
1401	LOAD	Y	643 653	0.00	245	3.04	231	GLOB	UNIF	WV	0 2
1402	LOAD	Z	643 653	0.00-	23	3.04-	22	GLOB	UNIF	WV	0 2
1403	LOAD	X	643 653	3.04	17	3.04	16	GLOB	UNIF	WV	0 2
1404	LOAD	Y	643 653	3.04	231	3.04	219	GLOB	UNIF	WV	0 2
1405	LOAD	Z	643 653	3.04-	22	3.04-	20	GLOB	UNIF	WV	0 2
1406	LOAD	Y	646 656	0.00	275	6.08	249	GLOB	UNIF	WV	0 2
1407	LOAD	Z	646 656	0.00	46	6.08	41	GLOB	UNIF	WV	0 2
1408	LOAD	X	651 701	0.00-	16	3.55-	15	GLOB	UNIF	WV	0 2
1409	LOAD	Y	651 701	0.00	219	3.55	205	GLOB	UNIF	WV	0 2
1410	LOAD	Z	651 701	0.00-	20	3.55-	19	GLOB	UNIF	WV	0 2
1411	LOAD	X	651 701	3.55-	15	3.55-	14	GLOB	UNIF	WV	0 2
1412	LOAD	Y	651 701	3.55	205	3.55	191	GLOB	UNIF	WV	0 2
1413	LOAD	Z	651 701	3.55-	19	3.55-	18	GLOB	UNIF	WV	0 2
1414	LOAD	X	653 703	0.00	16	3.55	15	GLOB	UNIF	WV	0 2
1415	LOAD	Y	653 703	0.00	219	3.55	205	GLOB	UNIF	WV	0 2
1416	LOAD	Z	653 703	0.00-	20	3.55-	19	GLOB	UNIF	WV	0 2
1417	LOAD	X	653 703	3.55	15	3.55	14	GLOB	UNIF	WV	0 2
1418	LOAD	Y	653 703	3.55	205	3.55	191	GLOB	UNIF	WV	0 2
1419	LOAD	Z	653 703	3.55-	19	3.55-	18	GLOB	UNIF	WV	0 2
1420	LOAD	Y	656 706	0.00	249	3.55	236	GLOB	UNIF	WV	0 2
1421	LOAD	Z	656 706	0.00	42	3.55	39	GLOB	UNIF	WV	0 2

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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
1422	LOAD Y	656 706	3.55	236	3.55	222	GLOB UNIF	WV 0 2		
1423	LOAD Z	656 706	3.55	39	3.55	37	GLOB UNIF	WV 0 2		
1424	LOAD X	701 801	0.00-	13	8.79-	11	GLOB UNIF	WV 0 2		
1425	LOAD Y	701 801	0.00	183	8.79	158	GLOB UNIF	WV 0 2		
1426	LOAD Z	701 801	0.00-	17	8.79-	15	GLOB UNIF	WV 0 2		
1427	LOAD X	701 801	8.79-	11	8.79-	09	GLOB UNIF	WV 0 2		
1428	LOAD Y	701 801	8.79	158	8.79	137	GLOB UNIF	WV 0 2		
1429	LOAD Z	701 801	8.79-	15	8.79-	13	GLOB UNIF	WV 0 2		
1430	LOAD X	701 801	17.57-	09	8.79-	08	GLOB UNIF	WV 0 2		
1431	LOAD Y	701 801	17.57	137	8.79	120	GLOB UNIF	WV 0 2		
1432	LOAD Z	701 801	17.57-	13	8.79-	11	GLOB UNIF	WV 0 2		
1433	LOAD X	703 803	0.00	13	8.79	11	GLOB UNIF	WV 0 2		
1434	LOAD Y	703 803	0.00	183	8.79	158	GLOB UNIF	WV 0 2		
1435	LOAD Z	703 803	0.00-	17	8.79-	15	GLOB UNIF	WV 0 2		
1436	LOAD X	703 803	8.79	11	8.79	09	GLOB UNIF	WV 0 2		
1437	LOAD Y	703 803	8.79	158	8.79	137	GLOB UNIF	WV 0 2		
1438	LOAD Z	703 803	8.79-	15	8.79-	13	GLOB UNIF	WV 0 2		
1439	LOAD X	703 803	17.57	09	8.79	08	GLOB UNIF	WV 0 2		
1440	LOAD Y	703 803	17.57	137	8.79	120	GLOB UNIF	WV 0 2		
1441	LOAD Z	703 803	17.57-	13	8.79-	11	GLOB UNIF	WV 0 2		
1442	LOAD Y	706 806	0.00	208	8.79	184	GLOB UNIF	WV 0 2		
1443	LOAD Z	706 806	0.00	35	8.79	31	GLOB UNIF	WV 0 2		
1444	LOAD Y	706 806	8.79	184	8.79	165	GLOB UNIF	WV 0 2		
1445	LOAD Z	706 806	8.79	31	8.79	27	GLOB UNIF	WV 0 2		
1446	LOAD Y	706 806	17.57	165	8.79	149	GLOB UNIF	WV 0 2		
1447	LOAD Z	706 806	17.57	27	8.79	25	GLOB UNIF	WV 0 2		
1448	LOAD X	801 901	0.00-	08	9.12-	06	GLOB UNIF	WV 0 2		
1449	LOAD Y	801 901	0.00	120	9.12	105	GLOB UNIF	WV 0 2		
1450	LOAD Z	801 901	0.00-	11	9.12-	10	GLOB UNIF	WV 0 2		
1451	LOAD X	801 901	9.12-	06	9.12-	05	GLOB UNIF	WV 0 2		
1452	LOAD Y	801 901	9.12	105	9.12	94	GLOB UNIF	WV 0 2		
1453	LOAD Z	801 901	9.12-	10	9.12-	08	GLOB UNIF	WV 0 2		
1454	LOAD X	801 901	18.25-	05	9.12-	03	GLOB UNIF	WV 0 2		
1455	LOAD Y	801 901	18.25	94	9.12	84	GLOB UNIF	WV 0 2		
1456	LOAD Z	801 901	18.25-	08	9.12-	07	GLOB UNIF	WV 0 2		
1457	LOAD X	803 903	0.00	08	9.12	06	GLOB UNIF	WV 0 2		
1458	LOAD Y	803 903	0.00	120	9.12	105	GLOB UNIF	WV 0 2		
1459	LOAD Z	803 903	0.00-	11	9.12-	10	GLOB UNIF	WV 0 2		
1460	LOAD X	803 903	9.12	06	9.12	05	GLOB UNIF	WV 0 2		
1461	LOAD Y	803 903	9.12	105	9.12	94	GLOB UNIF	WV 0 2		
1462	LOAD Z	803 903	9.12-	10	9.12-	08	GLOB UNIF	WV 0 2		
1463	LOAD X	803 903	18.25	05	9.12	03	GLOB UNIF	WV 0 2		
1464	LOAD Y	803 903	18.25	94	9.12	84	GLOB UNIF	WV 0 2		
1465	LOAD Z	803 903	18.25-	08	9.12-	07	GLOB UNIF	WV 0 2		
1466	LOAD Y	806 906	0.00	149	9.12	136	GLOB UNIF	WV 0 2		
1467	LOAD Z	806 906	0.00	25	9.12	23	GLOB UNIF	WV 0 2		
1468	LOAD Y	806 906	9.12	136	9.12	126	GLOB UNIF	WV 0 2		
1469	LOAD Z	806 906	9.12	23	9.12	21	GLOB UNIF	WV 0 2		
1470	LOAD Y	806 906	18.25	126	9.12	118	GLOB UNIF	WV 0 2		

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1471  LOAD Z  806 906    18.25    21    9.12     20                GLOB UNIF     WV 0 2
   1472  LOAD X  9011001     0.00-   03    9.12-    02                GLOB UNIF     WV 0 2
   1473  LOAD Y  9011001     0.00    84    9.12     76                GLOB UNIF     WV 0 2
   1474  LOAD Z  9011001     0.00-   07    9.12-    07                GLOB UNIF     WV 0 2
   1475  LOAD X  9011001     9.12-   02    9.12-     1                GLOB UNIF     WV 0 2
   1476  LOAD Y  9011001     9.12    76    9.12     63                GLOB UNIF     WV 0 2
   1477  LOAD Z  9011001     9.12-   07    9.12-    05                GLOB UNIF     WV 0 2
   1478  LOAD X  9011001    18.25-    1    9.12                       GLOB UNIF     WV 0 2
   1479  LOAD Y  9011001    18.25    63    8.74                       GLOB UNIF     WV 0 2
   1480  LOAD Y  9011001    26.98           .39-    03                GLOB UNIF     WV 0 2
   1481  LOAD Z  9011001    18.25-   05    8.79                       GLOB UNIF     WV 0 2
   1482  LOAD X  9031003     0.00    03    9.12     02                GLOB UNIF     WV 0 2
   1483  LOAD Y  9031003     0.00    84    9.12     76                GLOB UNIF     WV 0 2
   1484  LOAD Z  9031003     0.00-   07    9.12-    07                GLOB UNIF     WV 0 2
   1485  LOAD X  9031003     9.12    02    9.12      1                GLOB UNIF     WV 0 2
   1486  LOAD Y  9031003     9.12    76    9.12     63                GLOB UNIF     WV 0 2
   1487  LOAD Z  9031003     9.12-   07    9.12-    05                GLOB UNIF     WV 0 2
   1488  LOAD X  9031003    18.25     1    9.12                       GLOB UNIF     WV 0 2
   1489  LOAD Y  9031003    18.25    63    8.74                       GLOB UNIF     WV 0 2
   1490  LOAD Y  9031003    26.98           .39-    03                GLOB UNIF     WV 0 2
   1491  LOAD Z  9031003    18.25-   05    8.79                       GLOB UNIF     WV 0 2
   1492  LOAD Y  9061006     0.00   116    9.12    111                GLOB UNIF     WV 0 2
   1493  LOAD Z  9061006     0.00    20    9.12     19                GLOB UNIF     WV 0 2
   1494  LOAD Y  9061006     9.12   111    9.12    101                GLOB UNIF     WV 0 2
   1495  LOAD Z  9061006     9.12    19    9.12     17                GLOB UNIF     WV 0 2
   1496  LOAD Y  9061006    18.25   101    9.12     47                GLOB UNIF     WV 0 2
   1497  LOAD Z  9061006    18.25    17    9.12     08                GLOB UNIF     WV 0 2
   1498  LOADCN   3
   1499  LOAD X  401 510     0.00-   67                                 GLOB CONC     WN 0 3
   1500  LOAD Y  401 510                               0.00- 35120     GLOB MOMT     WN 0 3
   1501  LOAD Y  401 510     0.00-  117                                 GLOB CONC     WN 0 3
   1502  LOAD X  401 510                               0.00  60830     GLOB MOMT     WN 0 3
   1503  LOAD X  403 511     0.00-   67                                 GLOB CONC     WN 0 3
   1504  LOAD Y  403 511                               0.00- 35120     GLOB MOMT     WN 0 3
   1505  LOAD Y  403 511     0.00-  117                                 GLOB CONC     WN 0 3
   1506  LOAD X  403 511                               0.00  60830     GLOB MOMT     WN 0 3
   1507  LOAD X  406 512     0.00-   67                                 GLOB CONC     WN 0 3
   1508  LOAD Y  406 512                               0.00- 35120     GLOB MOMT     WN 0 3
   1509  LOAD Y  406 512     0.00-  117                                 GLOB CONC     WN 0 3
   1510  LOAD X  406 512                               0.00  60830     GLOB MOMT     WN 0 3
   1511  LOAD X  401 510     0.00-  163                                 GLOB CONC     WN 0 3
   1512  LOAD Y  401 510                               0.00- 94760     GLOB MOMT     WN 0 3
   1513  LOAD Y  401 510     0.00-  282                                 GLOB CONC     WN 0 3
   1514  LOAD X  401 510                               0.00 164129     GLOB MOMT     WN 0 3
   1515  LOAD X  403 511     0.00-  163                                 GLOB CONC     WN 0 3
   1516  LOAD Y  403 511                               0.00- 94760     GLOB MOMT     WN 0 3
   1517  LOAD Y  403 511     0.00-  282                                 GLOB CONC     WN 0 3
   1518  LOAD X  403 511                               0.00 164129     GLOB MOMT     WN 0 3
   1519  LOAD X  406 512     0.00-  163                                 GLOB CONC     WN 0 3
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LINE NO.															
1520	LOAD	Y	406	512					0.00-	94760	GLOB	MOMT	WN	0	3
1521	LOAD	Y	406	512	0.00-	282					GLOB	CONC	WN	0	3
1522	LOAD	X	406	512					0.00	164129	GLOB	MOMT	WN	0	3
1523	LOAD	X	201	303	21.65	06	3.01				GLOB	UNIF	WV	0	3
1524	LOAD	X	201	303	24.66		.66-	1			GLOB	UNIF	WV	0	3
1525	LOAD	Y	201	303	21.65-	108	3.67-	168			GLOB	UNIF	WV	0	3
1526	LOAD	Z	201	303	21.65-	13	3.02				GLOB	UNIF	WV	0	3
1527	LOAD	Z	201	303	24.66		.65	03			GLOB	UNIF	WV	0	3
1528	LOAD	X	201	303	25.31-	1	3.67-	09			GLOB	UNIF	WV	0	3
1529	LOAD	Y	201	303	25.31-	168	3.67-	226			GLOB	UNIF	WV	0	3
1530	LOAD	Z	201	303	25.31	03	3.67	17			GLOB	UNIF	WV	0	3
1531	LOAD	X	201	303	28.98-	09	3.67-	11			GLOB	UNIF	WV	0	3
1532	LOAD	Y	201	303	28.98-	226	3.67-	238			GLOB	UNIF	WV	0	3
1533	LOAD	Z	201	303	28.98	17	3.67	21			GLOB	UNIF	WV	0	3
1534	LOAD	X	203	306	20.78-	38	11.87-	39			GLOB	UNIF	WV	0	3
1535	LOAD	Y	203	306	20.78-	66	11.87-	68			GLOB	UNIF	WV	0	3
1536	LOAD	Z	203	306	20.78-	148	11.87-	152			GLOB	UNIF	WV	0	3
1537	LOAD	X	206	301	17.24-	120	5.13-	167			GLOB	UNIF	WV	0	3
1538	LOAD	Y	206	301	17.24-	45	5.13-	81			GLOB	UNIF	WV	0	3
1539	LOAD	Z	206	301	17.24-	40	5.13-	26			GLOB	UNIF	WV	0	3
1540	LOAD	X	206	301	22.38-	167	5.13-	191			GLOB	UNIF	WV	0	3
1541	LOAD	Y	206	301	22.38-	81	5.13-	101			GLOB	UNIF	WV	0	3
1542	LOAD	Z	206	301	22.38-	26	5.13-	15			GLOB	UNIF	WV	0	3
1543	LOAD	X	206	301	27.51-	191	5.13-	207			GLOB	UNIF	WV	0	3
1544	LOAD	Y	206	301	27.51-	101	5.13-	117			GLOB	UNIF	WV	0	3
1545	LOAD	Z	206	301	27.51-	15	5.13-	05			GLOB	UNIF	WV	0	3
1546	LOAD	X	301	403	0.00-	25	13.55-	35			GLOB	UNIF	WV	0	3
1547	LOAD	Y	301	403	0.00-	129	13.55-	159			GLOB	UNIF	WV	0	3
1548	LOAD	Z	301	403	0.00	25	13.55	36			GLOB	UNIF	WV	0	3
1549	LOAD	X	301	403	13.55-	35	13.55-	33			GLOB	UNIF	WV	0	3
1550	LOAD	Y	301	403	13.55-	159	13.55-	146			GLOB	UNIF	WV	0	3
1551	LOAD	Z	301	403	13.55	36	13.55	33			GLOB	UNIF	WV	0	3
1552	LOAD	X	301	403	27.11-	33	13.55-	21			GLOB	UNIF	WV	0	3
1553	LOAD	Y	301	403	27.11-	146	13.55-	102			GLOB	UNIF	WV	0	3
1554	LOAD	Z	301	403	27.11	33	13.55	22			GLOB	UNIF	WV	0	3
1555	LOAD	Y	301	303	0.00-	112	14.50-	106			GLOB	UNIF	WV	0	3
1556	LOAD	Z	301	303	0.00-	17	14.50-	11			GLOB	UNIF	WV	0	3
1557	LOAD	Y	301	303	14.50-	106	14.50-	100			GLOB	UNIF	WV	0	3
1558	LOAD	Z	301	303	14.50-	11	14.50-	05			GLOB	UNIF	WV	0	3
1559	LOAD	Z	303	306	0.00-	05	14.50-	17			GLOB	UNIF	WV	0	3
1560	LOAD	Z	303	306	14.50-	17	14.50-	24			GLOB	UNIF	WV	0	3
1561	LOAD	X	301	306	0.00-	97	29.00-	80			GLOB	UNIF	WV	0	3
1562	LOAD	Y	301	306	0.00-	56	29.00-	46			GLOB	UNIF	WV	0	3
1563	LOAD	Z	301	306	0.00-	17	29.00-	24			GLOB	UNIF	WV	0	3
1564	LOAD	Y	501	502	0.00-	60	15.15-	60			GLOB	UNIF	WV	0	3
1565	LOAD	Z	501	502	0.00-	06	15.15-	07			GLOB	UNIF	WV	0	3
1566	LOAD	Y	502	503	0.00-	60	15.15-	60			GLOB	UNIF	WV	0	3
1567	LOAD	Z	502	503	0.00-	07	15.15-	06			GLOB	UNIF	WV	0	3
1568	LOAD	Z	503	505	0.00-	06	15.15-	08			GLOB	UNIF	WV	0	3

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0 (columns 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8)

LINE NO.												
1569	LOAD	Z	505	506	0.00-	08	15.15-	10	GLOB	UNIF	WV	0 3
1570	LOAD	X	501	504	0.00-	52	15.15-	51	GLOB	UNIF	WV	0 3
1571	LOAD	Y	501	504	0.00-	30	15.15-	30	GLOB	UNIF	WV	0 3
1572	LOAD	Z	501	504	0.00-	08	15.15-	09	GLOB	UNIF	WV	0 3
1573	LOAD	X	504	506	0.00-	51	15.15-	49	GLOB	UNIF	WV	0 3
1574	LOAD	Y	504	506	0.00-	30	15.15-	28	GLOB	UNIF	WV	0 3
1575	LOAD	Z	504	506	0.00-	09	15.15-	10	GLOB	UNIF	WV	0 3
1576	LOAD	Z	502	504	0.00-	04	15.15-	06	GLOB	UNIF	WV	0 3
1577	LOAD	X	502	505	0.00-	41	15.15-	41	GLOB	UNIF	WV	0 3
1578	LOAD	Y	502	505	0.00-	24	15.15-	24	GLOB	UNIF	WV	0 3
1579	LOAD	Z	502	505	0.00-	04	15.15-	05	GLOB	UNIF	WV	0 3
1580	LOAD	Y	504	505	0.00-	47	15.14-	48	GLOB	UNIF	WV	0 3
1581	LOAD	Z	504	505	0.00-	06	15.14-	05	GLOB	UNIF	WV	0 3
1582	LOAD	X	501	513	0.00-	26	3.00-	26	GLOB	UNIF	WV	0 3
1583	LOAD	Y	501	513	0.00-	45	3.00-	45	GLOB	UNIF	WV	0 3
1584	LOAD	Z	501	513	0.00-	05	3.00-	05	GLOB	UNIF	WV	0 3
1585	LOAD	X	503	514	0.00	13	3.00	13	GLOB	UNIF	WV	0 3
1586	LOAD	Y	503	514	0.00-	22	3.00-	22	GLOB	UNIF	WV	0 3
1587	LOAD	Z	503	514	0.00-	03	3.00-	02	GLOB	UNIF	WV	0 3
1588	LOAD	X	513	651	0.00-	89	6.00-	79	GLOB	UNIF	WV	0 3
1589	LOAD	Y	513	651	0.00-	155	6.00-	137	GLOB	UNIF	WV	0 3
1590	LOAD	X	513	651	6.00-	79	6.00-	71	GLOB	UNIF	WV	0 3
1591	LOAD	Y	513	651	6.00-	137	6.00-	123	GLOB	UNIF	WV	0 3
1592	LOAD	X	513	651	12.00-	71	6.00-	63	GLOB	UNIF	WV	0 3
1593	LOAD	Y	513	651	12.00-	123	6.00-	110	GLOB	UNIF	WV	0 3
1594	LOAD	X	514	653	0.00-	96	6.00-	85	GLOB	UNIF	WV	0 3
1595	LOAD	Y	514	653	0.00-	166	6.00-	147	GLOB	UNIF	WV	0 3
1596	LOAD	X	514	653	6.00-	85	6.00-	77	GLOB	UNIF	WV	0 3
1597	LOAD	Y	514	653	6.00-	147	6.00-	135	GLOB	UNIF	WV	0 3
1598	LOAD	X	514	653	12.00-	77	6.00-	69	GLOB	UNIF	WV	0 3
1599	LOAD	Y	514	653	12.00-	135	6.00-	119	GLOB	UNIF	WV	0 3
1600	LOAD	X	601	611	0.00-	27	6.00-	27	GLOB	UNIF	WV	0 3
1601	LOAD	Z	601	611	0.00-	06	6.00-	05	GLOB	UNIF	WV	0 3
1602	LOAD	X	603	613	0.00-	27	6.00-	26	GLOB	UNIF	WV	0 3
1603	LOAD	Z	603	613	0.00-	04	6.00-	03	GLOB	UNIF	WV	0 3
1604	LOAD	Y	611	612	0.00-	40	16.01-	39	GLOB	UNIF	WV	0 3
1605	LOAD	Z	611	612	0.00-	04	16.01-	03	GLOB	UNIF	WV	0 3
1606	LOAD	Y	612	613	0.00-	39	16.01-	38	GLOB	UNIF	WV	0 3
1607	LOAD	Z	612	613	0.00-	03	16.01-	02	GLOB	UNIF	WV	0 3
1608	LOAD	Y	661	662	0.00-	71	17.75-	70	GLOB	UNIF	WV	0 3
1609	LOAD	Z	661	662	0.00-	04	17.75-	03	GLOB	UNIF	WV	0 3
1610	LOAD	Y	662	663	0.00-	70	17.75-	66	GLOB	UNIF	WV	0 3
1611	LOAD	Z	662	663	0.00-	05	17.75-	1	GLOB	UNIF	WV	0 3
1612	LOAD	X	611	661	0.00-	62	6.06-	56	GLOB	UNIF	WV	0 3
1613	LOAD	Y	611	661	0.00-	105	6.06-	92	GLOB	UNIF	WV	0 3
1614	LOAD	Z	611	661	0.00-	09	6.06-	08	GLOB	UNIF	WV	0 3
1615	LOAD	X	611	661	6.06-	56	6.06-	50	GLOB	UNIF	WV	0 3
1616	LOAD	Y	611	661	6.06-	92	6.06-	83	GLOB	UNIF	WV	0 3
1617	LOAD	Z	611	661	6.06-	08	6.06-	07	GLOB	UNIF	WV	0 3

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

1618	LOAD	X	612	662	0.00-	39	6.00-	35	GLOB	UNIF	WV	0	3
1619	LOAD	Y	612	662	0.00-	68	6.00-	61	GLOB	UNIF	WV	0	3
1620	LOAD	X	612	662	6.00-	35	6.00-	32	GLOB	UNIF	WV	0	3
1621	LOAD	Y	612	662	6.00-	61	6.00-	55	GLOB	UNIF	WV	0	3
1622	LOAD	X	613	663	0.00-	56	6.06-	51	GLOB	UNIF	WV	0	3
1623	LOAD	Y	613	663	0.00-	105	6.06-	94	GLOB	UNIF	WV	0	3
1624	LOAD	Z	613	663	0.00	08	6.06	07	GLOB	UNIF	WV	0	3
1625	LOAD	X	613	663	6.06-	51	6.06-	46	GLOB	UNIF	WV	0	3
1626	LOAD	Y	613	663	6.06-	94	6.06-	85	GLOB	UNIF	WV	0	3
1627	LOAD	Z	613	663	6.06	07	6.06	07	GLOB	UNIF	WV	0	3
1628	LOAD	X	501	642	0.00-	06	6.75-	06	GLOB	UNIF	WV	0	3
1629	LOAD	Y	501	642	0.00-	75	6.75-	68	GLOB	UNIF	WV	0	3
1630	LOAD	Z	501	642	0.00	14	6.75	13	GLOB	UNIF	WV	0	3
1631	LOAD	X	501	642	6.75-	06	6.75-	05	GLOB	UNIF	WV	0	3
1632	LOAD	Y	501	642	6.75-	68	6.75-	63	GLOB	UNIF	WV	0	3
1633	LOAD	Z	501	642	6.75	13	6.75	13	GLOB	UNIF	WV	0	3
1634	LOAD	X	501	642	13.50-	05	6.75-	05	GLOB	UNIF	WV	0	3
1635	LOAD	Y	501	642	13.50-	65	6.75-	59	GLOB	UNIF	WV	0	3
1636	LOAD	Z	501	642	13.50	13	6.75	12	GLOB	UNIF	WV	0	3
1637	LOAD	X	503	645	0.00-	21	10.12-	19	GLOB	UNIF	WV	0	3
1638	LOAD	Y	503	645	0.00-	30	10.12-	27	GLOB	UNIF	WV	0	3
1639	LOAD	Z	503	645	0.00-	49	10.12-	44	GLOB	UNIF	WV	0	3
1640	LOAD	X	503	645	10.12-	19	10.12-	17	GLOB	UNIF	WV	0	3
1641	LOAD	Y	503	645	10.12-	27	10.12-	25	GLOB	UNIF	WV	0	3
1642	LOAD	Z	503	645	10.12-	44	10.12-	41	GLOB	UNIF	WV	0	3
1643	LOAD	X	506	644	0.00-	57	10.12-	52	GLOB	UNIF	WV	0	3
1644	LOAD	Y	506	644	0.00-	44	10.12-	40	GLOB	UNIF	WV	0	3
1645	LOAD	Z	506	644	0.00	07	10.12	07	GLOB	UNIF	WV	0	3
1646	LOAD	X	506	644	10.12-	52	10.12-	48	GLOB	UNIF	WV	0	3
1647	LOAD	Y	506	644	10.12-	40	10.12-	37	GLOB	UNIF	WV	0	3
1648	LOAD	Z	506	644	10.12	07	10.12	06	GLOB	UNIF	WV	0	3
1649	LOAD	X	642	703	0.00-	10	7.31-	09	GLOB	UNIF	WV	0	3
1650	LOAD	Y	642	703	0.00-	88	7.31-	81	GLOB	UNIF	WV	0	3
1651	LOAD	Z	642	703	0.00	21	7.31	19	GLOB	UNIF	WV	0	3
1652	LOAD	X	642	703	7.31-	09	7.31-	09	GLOB	UNIF	WV	0	3
1653	LOAD	Y	642	703	7.31-	81	7.31-	75	GLOB	UNIF	WV	0	3
1654	LOAD	Z	642	703	7.31	19	7.31	18	GLOB	UNIF	WV	0	3
1655	LOAD	X	642	703	14.62-	09	7.31-	08	GLOB	UNIF	WV	0	3
1656	LOAD	Y	642	703	14.62-	75	7.31-	69	GLOB	UNIF	WV	0	3
1657	LOAD	Z	642	703	14.62	16	7.31	17	GLOB	UNIF	WV	0	3
1658	LOAD	X	645	706	0.00-	24	7.31-	23	GLOB	UNIF	WV	0	3
1659	LOAD	Y	645	706	0.00-	35	7.31-	32	GLOB	UNIF	WV	0	3
1660	LOAD	Z	645	706	0.00-	57	7.31-	53	GLOB	UNIF	WV	0	3
1661	LOAD	X	645	706	7.31-	23	7.31-	20	GLOB	UNIF	WV	0	3
1662	LOAD	Y	645	706	7.31-	32	7.31-	29	GLOB	UNIF	WV	0	3
1663	LOAD	Z	645	706	7.31-	53	7.31-	48	GLOB	UNIF	WV	0	3
1664	LOAD	X	645	706	14.62-	20	7.31-	18	GLOB	UNIF	WV	0	3
1665	LOAD	Y	645	706	14.62-	29	7.31-	26	GLOB	UNIF	WV	0	3
1666	LOAD	Z	645	706	14.62-	46	7.31-	43	GLOB	UNIF	WV	0	3

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1667	LOAD	X	644	701	0.00-	71	7.31-	66	GLOB UNIF	WV 0 3
1668	LOAD	Y	644	701	0.00-	59	7.31-	55	GLOB UNIF	WV 0 3
1669	LOAD	Z	644	701	0.00	14	7.31	13	GLOB UNIF	WV 0 3
1670	LOAD	X	644	701	7.31-	66	7.31-	62	GLOB UNIF	WV 0 3
1671	LOAD	Y	644	701	7.31-	55	7.31-	52	GLOB UNIF	WV 0 3
1672	LOAD	Z	644	701	7.31	13	7.31	12	GLOB UNIF	WV 0 3
1673	LOAD	X	644	701	14.62-	62	7.31-	57	GLOB UNIF	WV 0 3
1674	LOAD	Y	644	701	14.62-	52	7.31-	48	GLOB UNIF	WV 0 3
1675	LOAD	Z	644	701	14.62	12	7.31	11	GLOB UNIF	WV 0 3
1676	LOAD	Y	701	702	0.00-	48	16.76-	47	GLOB UNIF	WV 0 3
1677	LOAD	Z	701	702	0.00-	03	16.76-	02	GLOB UNIF	WV 0 3
1678	LOAD	Y	702	703	0.00-	47	16.76-	46	GLOB UNIF	WV 0 3
1679	LOAD	Z	702	703	0.00-	02	16.76-	1	GLOB UNIF	WV 0 3
1680	LOAD	Z	703	705	0.00-	1	6.25-	02	GLOB UNIF	WV 0 3
1681	LOAD	Z	703	705	6.25-	02	6.25-	02	GLOB UNIF	WV 0 3
1682	LOAD	Z	703	705	12.51-	02	6.25-	03	GLOB UNIF	WV 0 3
1683	LOAD	Z	705	706	0.00-	03	16.75-	04	GLOB UNIF	WV 0 3
1684	LOAD	X	701	704	0.00-	41	16.76-	41	GLOB UNIF	WV 0 3
1685	LOAD	Y	701	704	0.00-	24	16.76-	24	GLOB UNIF	WV 0 3
1686	LOAD	Z	701	704	0.00-	03	16.76-	03	GLOB UNIF	WV 0 3
1687	LOAD	X	704	706	0.00-	41	16.75-	39	GLOB UNIF	WV 0 3
1688	LOAD	Y	704	706	0.00-	24	16.75-	23	GLOB UNIF	WV 0 3
1689	LOAD	Z	704	706	0.00-	03	16.75-	04	GLOB UNIF	WV 0 3
1690	LOAD	Z	702	704	0.00-	07	16.76-	08	GLOB UNIF	WV 0 3
1691	LOAD	X	702	705	0.00-	36	16.76-	36	GLOB UNIF	WV 0 3
1692	LOAD	Y	702	705	0.00-	21	16.76-	21	GLOB UNIF	WV 0 3
1693	LOAD	Z	702	705	0.00-	07	16.76-	07	GLOB UNIF	WV 0 3
1694	LOAD	Y	704	705	0.00-	40	16.76-	42	GLOB UNIF	WV 0 3
1695	LOAD	Z	704	705	0.00-	08	16.76-	07	GLOB UNIF	WV 0 3
1696	LOAD	X	701	806	0.00-	54	16.27-	46	GLOB UNIF	WV 0 3
1697	LOAD	Y	701	806	0.00-	47	16.27-	40	GLOB UNIF	WV 0 3
1698	LOAD	Z	701	806	0.00-	27	16.27-	24	GLOB UNIF	WV 0 3
1699	LOAD	X	701	806	16.27-	46	16.27-	39	GLOB UNIF	WV 0 3
1700	LOAD	Y	701	806	16.27-	40	16.27-	34	GLOB UNIF	WV 0 3
1701	LOAD	Z	701	806	16.27-	24	16.27-	20	GLOB UNIF	WV 0 3
1702	LOAD	X	701	806	32.55-	39	16.27-	33	GLOB UNIF	WV 0 3
1703	LOAD	Y	701	806	32.55-	34	16.27-	29	GLOB UNIF	WV 0 3
1704	LOAD	Z	701	806	32.55-	20	16.27-	17	GLOB UNIF	WV 0 3
1705	LOAD	X	703	801	0.00-	17	16.28-	16	GLOB UNIF	WV 0 3
1706	LOAD	Y	703	801	0.00-	72	16.28-	64	GLOB UNIF	WV 0 3
1707	LOAD	Z	703	801	0.00-	22	16.28-	20	GLOB UNIF	WV 0 3
1708	LOAD	X	703	801	16.28-	16	16.28-	14	GLOB UNIF	WV 0 3
1709	LOAD	Y	703	801	16.28-	64	16.28-	56	GLOB UNIF	WV 0 3
1710	LOAD	Z	703	801	16.28-	20	16.28-	18	GLOB UNIF	WV 0 3
1711	LOAD	X	703	801	32.55-	14	16.28-	13	GLOB UNIF	WV 0 3
1712	LOAD	Y	703	801	32.55-	56	16.28-	50	GLOB UNIF	WV 0 3
1713	LOAD	Z	703	801	32.55-	16	16.28-	16	GLOB UNIF	WV 0 3
1714	LOAD	X	706	803	0.00-	06	16.28-	06	GLOB UNIF	WV 0 3
1715	LOAD	Y	706	803	0.00-	16	16.28-	16	GLOB UNIF	WV 0 3

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
1716	LOAD Z	706 803	0.00	27	16.28	26	GLOB UNIF	WV 0 3
1717	LOAD X	706 803	16.28-	06	16.28-	05	GLOB UNIF	WV 0 3
1718	LOAD Y	706 803	16.28-	16	16.28-	14	GLOB UNIF	WV 0 3
1719	LOAD Z	706 803	16.28	26	16.28	24	GLOB UNIF	WV 0 3
1720	LOAD X	706 803	32.55-	05	16.28-	05	GLOB UNIF	WV 0 3
1721	LOAD Y	706 803	32.55-	14	16.28-	13	GLOB UNIF	WV 0 3
1722	LOAD Z	706 803	32.55	24	16.28	22	GLOB UNIF	WV 0 3
1723	LOAD Y	801 802	0.00-	32	22.51-	32	GLOB UNIF	WV 0 3
1724	LOAD Z	801 802	0.00-	02	22.51-	02	GLOB UNIF	WV 0 3
1725	LOAD Y	802 803	0.00-	32	22.51-	31	GLOB UNIF	WV 0 3
1726	LOAD Z	802 803	0.00-	02	22.51-	1	GLOB UNIF	WV 0 3
1727	LOAD Z	803 805	0.00-	1	11.26-	02	GLOB UNIF	WV 0 3
1728	LOAD Z	803 805	11.26-	02	11.26-	02	GLOB UNIF	WV 0 3
1729	LOAD Z	805 806	0.00-	02	22.51-	02	GLOB UNIF	WV 0 3
1730	LOAD X	801 804	0.00-	28	22.51-	28	GLOB UNIF	WV 0 3
1731	LOAD Y	801 804	0.00-	16	22.51-	16	GLOB UNIF	WV 0 3
1732	LOAD Z	801 804	0.00-	02	22.51-	02	GLOB UNIF	WV 0 3
1733	LOAD X	804 806	0.00-	26	22.51-	26	GLOB UNIF	WV 0 3
1734	LOAD Y	804 806	0.00-	16	22.51-	15	GLOB UNIF	WV 0 3
1735	LOAD Z	804 806	0.00-	02	22.51-	02	GLOB UNIF	WV 0 3
1736	LOAD Z	802 804	0.00-	04	22.52-	05	GLOB UNIF	WV 0 3
1737	LOAD X	802 805	0.00-	25	22.52-	25	GLOB UNIF	WV 0 3
1738	LOAD Y	802 805	0.00-	14	22.52-	14	GLOB UNIF	WV 0 3
1739	LOAD Z	802 805	0.00-	04	22.52-	05	GLOB UNIF	WV 0 3
1740	LOAD Y	804 805	0.00-	27	22.52-	28	GLOB UNIF	WV 0 3
1741	LOAD Z	804 805	0.00-	05	22.52-	05	GLOB UNIF	WV 0 3
1742	LOAD X	801 903	0.00-	02	18.64-	02	GLOB UNIF	WV 0 3
1743	LOAD Y	801 903	0.00-	48	18.64-	43	GLOB UNIF	WV 0 3
1744	LOAD Z	801 903	0.00	08	18.64	08	GLOB UNIF	WV 0 3
1745	LOAD X	801 903	18.64-	02	18.64-	02	GLOB UNIF	WV 0 3
1746	LOAD Y	801 903	18.64-	43	18.64-	39	GLOB UNIF	WV 0 3
1747	LOAD Z	801 903	18.64	06	18.64	08	GLOB UNIF	WV 0 3
1748	LOAD X	801 903	37.28-	02	18.64-	03	GLOB UNIF	WV 0 3
1749	LOAD Y	801 903	37.28-	39	18.64-	35	GLOB UNIF	WV 0 3
1750	LOAD Z	801 903	37.28	08	18.64	08	GLOB UNIF	WV 0 3
1751	LOAD X	803 906	0.00-	09	18.64-	08	GLOB UNIF	WV 0 3
1752	LOAD Y	803 906	0.00-	12	18.64-	11	GLOB UNIF	WV 0 3
1753	LOAD Z	803 906	0.00-	27	18.64-	25	GLOB UNIF	WV 0 3
1754	LOAD X	803 906	18.64-	08	18.64-	07	GLOB UNIF	WV 0 3
1755	LOAD Y	803 906	18.64-	11	18.64-	10	GLOB UNIF	WV 0 3
1756	LOAD Z	803 906	18.64-	25	18.64-	22	GLOB UNIF	WV 0 3
1757	LOAD X	803 906	37.28-	07	18.64-	06	GLOB UNIF	WV 0 3
1758	LOAD Y	803 906	37.28-	10	18.64-	08	GLOB UNIF	WV 0 3
1759	LOAD Z	803 906	37.28-	22	18.64-	18	GLOB UNIF	WV 0 3
1760	LOAD X	806 901	0.00-	37	18.64-	34	GLOB UNIF	WV 0 3
1761	LOAD Y	806 901	0.00-	27	18.64-	25	GLOB UNIF	WV 0 3
1762	LOAD Z	806 901	0.00	05	18.64	05	GLOB UNIF	WV 0 3
1763	LOAD X	806 901	18.64-	34	18.64-	32	GLOB UNIF	WV 0 3
1764	LOAD Y	806 901	18.64-	25	18.64-	24	GLOB UNIF	WV 0 3

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1765  LOAD Z  806 901   18.64   05  18.64   05                 GLOB UNIF    WV 0 3
  1766  LOAD X  806 901   37.28-  32  18.64-  29                 GLOB UNIF    WV 0 3
  1767  LOAD Y  806 901   37.28-  24  18.64-  23                 GLOB UNIF    WV 0 3
  1768  LOAD Z  805 901   37.28   05  18.64   06                 GLOB UNIF    WV 0 3
  1769  LOAD Y  901 902    0.00-  26  20.41-  26                 GLOB UNIF    WV 0 3
  1770  LOAD Z  901 902    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1771  LOAD Y  902 903    0.00-  26  20.41-  25                 GLOB UNIF    WV 0 3
  1772  LOAD Z  902 903    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1773  LOAD Z  903 905    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1774  LOAD Z  905 906    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1775  LOAD X  901 904    0.00-  23  20.41-  22                 GLOB UNIF    WV 0 3
  1776  LOAD Y  901 904    0.00-  13  20.41-  13                 GLOB UNIF    WV 0 3
  1777  LOAD Z  901 904    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1778  LOAD X  904 906    0.00-  22  20.41-  21                 GLOB UNIF    WV 0 3
  1779  LOAD Y  904 906    0.00-  13  20.41-  12                 GLOB UNIF    WV 0 3
  1780  LOAD Z  904 906    0.00-   1  20.41-   1                 GLOB UNIF    WV 0 3
  1781  LOAD Z  902 904    0.00-  02  20.41-  02                 GLOB UNIF    WV 0 3
  1782  LOAD X  902 905    0.00-  19  20.41-  18                 GLOB UNIF    WV 0 3
  1783  LOAD Y  902 905    0.00-  11  20.41-  10                 GLOB UNIF    WV 0 3
  1784  LOAD Z  902 905    0.00-  02  20.41-  02                 GLOB UNIF    WV 0 3
  1785  LOAD Y  904 905    0.00-  20  20.40-  21                 GLOB UNIF    WV 0 3
  1786  LOAD Z  904 905    0.00-  02  20.40-  02                 GLOB UNIF    WV 0 3
  1787  LOAD X  9011002    0.00-  07  12.61-  06                 GLOB UNIF    WV 0 3
  1788  LOAD Y  9011002    0.00-  29  12.61-  26                 GLOB UNIF    WV 0 3
  1789  LOAD Z  9011002    0.00   09  12.61   08                 GLOB UNIF    WV 0 3
  1790  LOAD X  9011002   12.61-  06  12.61-  06                 GLOB UNIF    WV 0 3
  1791  LOAD Y  9011002   12.61-  26  12.61-  23                 GLOB UNIF    WV 0 3
  1792  LOAD Z  9011002   12.61   08  12.61   07                 GLOB UNIF    WV 0 3
  1793  LOAD X  9011002   25.22-  06  12.61-   1                 GLOB UNIF    WV 0 3
  1794  LOAD Y  9011002   25.22-  23  12.61-  03                 GLOB UNIF    WV 0 3
  1795  LOAD Z  9011002   25.22   07  12.61    1                 GLOB UNIF    WV 0 3
  1796  LOAD X  9031002    0.00-  10  12.61-  09                 GLOB UNIF    WV 0 3
  1797  LOAD Y  9031002    0.00-  29  12.61-  27                 GLOB UNIF    WV 0 3
  1798  LOAD Z  9031002    0.00-  08  12.61-  07                 GLOB UNIF    WV 0 3
  1799  LOAD X  9031002   12.61-  09  12.61-  08                 GLOB UNIF    WV 0 3
  1800  LOAD Y  9031002   12.61-  27  12.61-  24                 GLOB UNIF    WV 0 3
  1801  LOAD Z  9031002   12.61-  07  12.61-  06                 GLOB UNIF    WV 0 3
  1802  LOAD X  9031002   25.22-  08  12.61-   1                 GLOB UNIF    WV 0 3
  1803  LOAD Y  9031002   25.22-  24  12.61-  03                 GLOB UNIF    WV 0 3
  1804  LOAD Z  9031002   25.22-  06  12.61-   1                 GLOB UNIF    WV 0 3
  1805  LOAD X  9031005    0.00-  10  12.61-  09                 GLOB UNIF    WV 0 3
  1806  LOAD Y  9031005    0.00-  14  12.61-  14                 GLOB UNIF    WV 0 3
  1807  LOAD Z  9031005    0.00-  17  12.61-  16                 GLOB UNIF    WV 0 3
  1808  LOAD X  9031005   12.61-  09  12.61-  08                 GLOB UNIF    WV 0 3
  1809  LOAD Y  9031005   12.61-  14  12.61-  12                 GLOB UNIF    WV 0 3
  1810  LOAD Z  9031005   12.61-  16  12.61-  14                 GLOB UNIF    WV 0 3
  1811  LOAD X  9031005   25.23-  08  12.61-   1                 GLOB UNIF    WV 0 3
  1812  LOAD Y  9031005   25.23-  12  12.61-   1                 GLOB UNIF    WV 0 3
  1813  LOAD Z  9031005   25.23-  14  12.61-   1                 GLOB UNIF    WV 0 3
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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         1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
1814	LOAD X	9061005	0.00-	06	12.61-	06	GLOB UNIF	WV	0	3
1815	LOAD Y	9061005	0.00-	14	12.61-	13	GLOB UNIF	WV	0	3
1816	LOAD Z	9061005	0.00	15	12.61	14	GLOB UNIF	WV	0	3
1817	LOAD X	9061005	12.61-	06	12.61-	06	GLOB UNIF	WV	0	3
1818	LOAD Y	9061005	12.61-	13	12.61-	12	GLOB UNIF	WV	0	3
1819	LOAD Z	9061005	12.61	14	12.61	13	GLOB UNIF	WV	0	3
1820	LOAD X	9061005	25.22-	06	12.61-	1	GLOB UNIF	WV	0	3
1821	LOAD Y	9061005	25.22-	12	12.61-	1	GLOB UNIF	WV	0	3
1822	LOAD Z	9061005	25.22	13	12.61	1	GLOB UNIF	WV	0	3
1823	LOAD X	9011004	0.00-	21	12.61-	19	GLOB UNIF	WV	0	3
1824	LOAD Y	9011004	0.00-	22	12.61-	20	GLOB UNIF	WV	0	3
1825	LOAD Z	9011004	0.00-	10	12.61-	10	GLOB UNIF	WV	0	3
1826	LOAD X	9011004	12.61-	19	12.61-	16	GLOB UNIF	WV	0	3
1827	LOAD Y	9011004	12.61-	20	12.61-	16	GLOB UNIF	WV	0	3
1828	LOAD Z	9011004	12.61-	10	12.61-	08	GLOB UNIF	WV	0	3
1829	LOAD X	9011004	25.23-	16	12.61-	1	GLOB UNIF	WV	0	3
1830	LOAD Y	9011004	25.23-	16	12.61-	1	GLOB UNIF	WV	0	3
1831	LOAD Z	9011004	25.23-	08	12.61		GLOB UNIF	WV	0	3
1832	LOAD X	9061004	0.00-	20	12.61-	18	GLOB UNIF	WV	0	3
1833	LOAD Y	9061004	0.00-	21	12.61-	20	GLOB UNIF	WV	0	3
1834	LOAD Z	9061004	0.00	05	12.61	06	GLOB UNIF	WV	0	3
1835	LOAD X	9061004	12.61-	18	12.61-	16	GLOB UNIF	WV	0	3
1836	LOAD Y	9061004	12.61-	20	12.61-	17	GLOB UNIF	WV	0	3
1837	LOAD Z	9061004	12.61	06	12.61	05	GLOB UNIF	WV	0	3
1838	LOAD X	9061004	25.22-	16	12.61-	1	GLOB UNIF	WV	0	3
1839	LOAD Y	9061004	25.22-	17	12.61-	1	GLOB UNIF	WV	0	3
1840	LOAD Z	9061004	25.22	05	12.61		GLOB UNIF	WV	0	3
1841	LOAD Y	10011002	0.00-	03	10.10-	03	GLOB UNIF	WV	0	3
1842	LOAD Y	10011002	10.10-	03	10.10-	04	GLOB UNIF	WV	0	3
1843	LOAD Y	10011002	20.21-	04	10.10-	04	GLOB UNIF	WV	0	3
1844	LOAD Y	10021003	0.00-	04	10.10-	05	GLOB UNIF	WV	0	3
1845	LOAD Y	10021003	10.10-	05	10.10-	05	GLOB UNIF	WV	0	3
1846	LOAD Y	10021003	20.21-	05	10.10-	05	GLOB UNIF	WV	0	3
1847	LOAD X	10011004	0.00-	02	15.16-	02	GLOB UNIF	WV	0	3
1848	LOAD Y	10011004	0.00-	1	15.16-	1	GLOB UNIF	WV	0	3
1849	LOAD X	10011004	15.16-	02	15.16-	1	GLOB UNIF	WV	0	3
1850	LOAD Y	10011004	15.16-	1	15.16-	1	GLOB UNIF	WV	0	3
1851	LOAD X	10041006	0.00-	1	10.10-	1	GLOB UNIF	WV	0	3
1852	LOAD Y	10041006	0.00-	1	10.10		GLOB UNIF	WV	0	3
1853	LOAD X	10041006	10.10-	1	10.10		GLOB UNIF	WV	0	3
1854	LOAD X	10021005	0.00-	02	10.10-	02	GLOB UNIF	WV	0	3
1855	LOAD Y	10021005	0.00-	1	10.10-	1	GLOB UNIF	WV	0	3
1856	LOAD X	10021005	10.10-	02	10.10-	02	GLOB UNIF	WV	0	3
1857	LOAD Y	10021005	10.10-	1	10.10-	1	GLOB UNIF	WV	0	3
1858	LOAD X	10021005	20.21-	02	10.10-	02	GLOB UNIF	WV	0	3
1859	LOAD Y	10021005	20.21-	1	10.10-	1	GLOB UNIF	WV	0	3
1860	LOAD Y	10041005	0.00-	1	30.30-	02	GLOB UNIF	WV	0	3
1861	LOAD X	201 301	7.35-	39	2.55-	61	GLOB UNIF	WV	0	3
1862	LOAD Y	201 301	7.35-	67	2.55-	105	GLOB UNIF	WV	0	3

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              1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1863	LOAD	X	201	301	9.90-	61	2.55-	83	GLOB	UNIF	WV	0 3
1864	LOAD	Y	201	301	9.90-	105	2.55-	143	GLOB	UNIF	WV	0 3
1865	LOAD	X	201	301	12.45-	83	2.55-	94	GLOB	UNIF	WV	0 3
1866	LOAD	Y	201	301	12.45-	143	2.55-	162	GLOB	UNIF	WV	0 3
1867	LOAD	X	203	303	11.26-	49	1.25-	72	GLOB	UNIF	WV	0 3
1868	LOAD	Y	203	303	11.26-	85	1.25-	125	GLOB	UNIF	WV	0 3
1869	LOAD	X	203	303	12.51-	72	1.25-	84	GLOB	UNIF	WV	0 3
1870	LOAD	Y	203	303	12.51-	125	1.25-	145	GLOB	UNIF	WV	0 3
1871	LOAD	X	203	303	13.75-	84	1.25-	88	GLOB	UNIF	WV	0 3
1872	LOAD	Y	203	303	13.75-	145	1.25-	152	GLOB	UNIF	WV	0 3
1873	LOAD	X	206	306	8.56-	12	2.15-	38	GLOB	UNIF	WV	0 3
1874	LOAD	Y	206	306	8.56-	21	2.15-	46	GLOB	UNIF	WV	0 3
1875	LOAD	X	206	306	10.71-	38	2.15-	[illegible]	GLOB	UNIF	WV	0 3
1876	LOAD	Y	206	306	10.71-	66	2.15-	112	GLOB	UNIF	WV	0 3
1877	LOAD	X	206	306	12.85-	65	2.15-	74	GLOB	UNIF	WV	0 3
1878	LOAD	Y	206	306	12.85-	112	2.15-	126	GLOB	UNIF	WV	0 3
1879	LOAD	X	301	401	0.00-	94	9.50-	118	GLOB	UNIF	WV	0 3
1880	LOAD	Y	301	401	0.00-	162	9.50-	204	GLOB	UNIF	WV	0 3
1881	LOAD	X	301	401	9.50-	118	9.50-	104	GLOB	UNIF	WV	0 3
1882	LOAD	Y	301	401	9.50-	204	9.50-	180	GLOB	UNIF	WV	0 3
1883	LOAD	X	301	401	19.00-	104	9.50-	72	GLOB	UNIF	WV	0 3
1884	LOAD	Y	301	401	19.00-	180	9.50-	125	GLOB	UNIF	WV	0 3
1885	LOAD	X	303	403	0.00-	88	14.25-	112	GLOB	UNIF	WV	0 3
1886	LOAD	Y	303	403	0.00-	152	14.25-	195	GLOB	UNIF	WV	0 3
1887	LOAD	X	303	403	14.25-	112	14.25-	76	GLOB	UNIF	WV	0 3
1888	LOAD	Y	303	403	14.25-	195	14.25-	131	GLOB	UNIF	WV	0 3
1889	LOAD	X	306	406	0.00-	74	9.50-	102	GLOB	UNIF	WV	0 3
1890	LOAD	Y	306	406	0.00-	128	9.50-	176	GLOB	UNIF	WV	0 3
1891	LOAD	X	306	406	9.50-	102	9.50-	94	GLOB	UNIF	WV	0 3
1892	LOAD	Y	306	406	9.50-	176	9.50-	163	GLOB	UNIF	WV	0 3
1893	LOAD	X	306	406	19.00-	94	9.50-	64	GLOB	UNIF	WV	0 3
1894	LOAD	Y	306	406	19.00-	163	9.50-	112	GLOB	UNIF	WV	0 3
1895	LOAD	X	401	501	0.00-	128	4.56-	118	GLOB	UNIF	WV	0 3
1896	LOAD	Y	401	501	0.00-	196	4.56-	179	GLOB	UNIF	WV	0 3
1897	LOAD	Z	401	501	0.00-	02	4.56-	02	GLOB	UNIF	WV	0 3
1898	LOAD	X	403	503	0.00-	114	4.56-	104	GLOB	UNIF	WV	0 3
1899	LOAD	Y	403	503	0.00-	214	4.56-	197	GLOB	UNIF	WV	0 3
1900	LOAD	Z	403	503	0.00	34	4.56	32	GLOB	UNIF	WV	0 3
1901	LOAD	X	406	506	0.00-	98	4.56-	89	GLOB	UNIF	WV	0 3
1902	LOAD	Y	406	506	0.00-	179	4.56-	165	GLOB	UNIF	WV	0 3
1903	LOAD	Z	406	506	0.00-	30	4.56-	27	GLOB	UNIF	WV	0 3
1904	LOAD	X	501	601	0.00-	118	3.04-	111	GLOB	UNIF	WV	0 3
1905	LOAD	Y	501	601	0.00-	179	3.04-	168	GLOB	UNIF	WV	0 3
1906	LOAD	Z	501	601	0.00-	02	3.04-	02	GLOB	UNIF	WV	0 3
1907	LOAD	X	501	601	3.04-	111	3.04-	105	GLOB	UNIF	WV	0 3
1908	LOAD	Y	501	601	3.04-	168	3.04-	158	GLOB	UNIF	WV	0 3
1909	LOAD	Z	501	601	3.04-	02	3.04-	02	GLOB	UNIF	WV	0 3
1910	LOAD	X	503	603	0.00-	104	3.04-	96	GLOB	UNIF	WV	0 3
1911	LOAD	Y	503	603	0.00-	197	3.04-	185	GLOB	UNIF	WV	0 3

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1912  LOAD Z  503 603   0.00     31   3.04     29             GLOB UNIF    WV 0 3
  1913  LOAD X  503 603   3.04-    98   3.04-    92             GLOB UNIF    WV 0 3
  1914  LOAD Y  503 603   3.04-   185   3.04-   174             GLOB UNIF    WV 0 3
  1915  LOAD Z  503 603   3.04     29   3.04     28             GLOB UNIF    WV 0 3
  1916  LOAD X  506 606   0.00-    89   3.04-    83             GLOB UNIF    WV 0 3
  1917  LOAD Y  506 606   0.00-   165   3.04-   152             GLOB UNIF    WV 0 3
  1918  LOAD Z  506 606   0.00-    27   3.04-    25             GLOB UNIF    WV 0 3
  1919  LOAD X  506 606   3.04-    83   3.04-    77             GLOB UNIF    WV 0 3
  1920  LOAD Y  506 606   3.04-   152   3.04-   142             GLOB UNIF    WV 0 3
  1921  LOAD Z  506 606   3.04-    25   3.04-    23             GLOB UNIF    WV 0 3
  1922  LOAD X  601 641   0.00-   105   3.04-    99             GLOB UNIF    WV 0 3
  1923  LOAD Y  601 641   0.00-   158   3.04-   150             GLOB UNIF    WV 0 3
  1924  LOAD Z  601 641   0.00-    02   3.04-    02             GLOB UNIF    WV 0 3
  1925  LOAD X  601 641   3.04-    99   3.04-    94             GLOB UNIF    WV 0 3
  1926  LOAD Y  601 641   3.04-   150   3.04-   141             GLOB UNIF    WV 0 3
  1927  LOAD Z  601 641   3.04-    02   3.04-    02             GLOB UNIF    WV 0 3
  1928  LOAD X  603 643   0.00-    92   3.04-    87             GLOB UNIF    WV 0 3
  1929  LOAD Y  603 643   0.00-   174   3.04-   165             GLOB UNIF    WV 0 3
  1930  LOAD Z  603 643   0.00     28   3.04     26             GLOB UNIF    WV 0 3
  1931  LOAD X  603 643   3.04-    87   3.04-    82             GLOB UNIF    WV 0 3
  1932  LOAD Y  603 643   3.04-   165   3.04-   156             GLOB UNIF    WV 0 3
  1933  LOAD Z  603 643   3.04     26   3.04     25             GLOB UNIF    WV 0 3
  1934  LOAD X  606 646   0.00-    77   6.08-    69             GLOB UNIF    WV 0 3
  1935  LOAD Y  606 646   0.00-   142   6.08-   127             GLOB UNIF    WV 0 3
  1936  LOAD Z  606 646   0.00-    24   6.08-    21             GLOB UNIF    WV 0 3
  1937  LOAD X  641 651   0.00-   144   3.04-   136             GLOB UNIF    WV 0 3
  1938  LOAD Y  641 651   0.00-   204   3.04-   192             GLOB UNIF    WV 0 3
  1939  LOAD Z  641 651   0.00-    04   3.04-    04             GLOB UNIF    WV 0 3
  1940  LOAD X  641 651   3.04-   136   3.04-   129             GLOB UNIF    WV 0 3
  1941  LOAD Y  641 651   3.04-   192   3.04-   183             GLOB UNIF    WV 0 3
  1942  LOAD Z  641 651   3.04-    04   3.04-    03             GLOB UNIF    WV 0 3
  1943  LOAD X  643 653   0.00-   124   6.08-   111             GLOB UNIF    WV 0 3
  1944  LOAD Y  643 653   0.00-   240   6.08-   217             GLOB UNIF    WV 0 3
  1945  LOAD Z  643 653   0.00     38   6.08     34             GLOB UNIF    WV 0 3
  1946  LOAD X  646 656   0.00-    92   6.08-    81             GLOB UNIF    WV 0 3
  1947  LOAD Y  646 656   0.00-   178   6.08-   158             GLOB UNIF    WV 0 3
  1948  LOAD Z  646 656   0.00-    30   6.08-    26             GLOB UNIF    WV 0 3
  1949  LOAD X  651 701   0.00-   129   3.55-   122             GLOB UNIF    WV 0 3
  1950  LOAD Y  651 701   0.00-   183   3.55-   172             GLOB UNIF    WV 0 3
  1951  LOAD Z  651 701   0.00-    03   3.55-    03             GLOB UNIF    WV 0 3
  1952  LOAD X  651 701   3.55-   122   3.55-   115             GLOB UNIF    WV 0 3
  1953  LOAD Y  651 701   3.55-   172   3.55-   161             GLOB UNIF    WV 0 3
  1954  LOAD Z  651 701   3.55-    03   3.55-    03             GLOB UNIF    WV 0 3
  1955  LOAD X  653 703   0.00-   111   3.55-   105             GLOB UNIF    WV 0 3
  1956  LOAD Y  653 703   0.00-   217   3.55-   205             GLOB UNIF    WV 0 3
  1957  LOAD Z  653 703   0.00     34   3.55     32             GLOB UNIF    WV 0 3
  1958  LOAD X  653 703   3.55-   105   3.55-    99             GLOB UNIF    WV 0 3
  1959  LOAD Y  653 703   3.55-   205   3.55-   193             GLOB UNIF    WV 0 3
  1960  LOAD Z  653 703   3.55     32   3.55     30             GLOB UNIF    WV 0 3
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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
1961	LOAD X	656 706	0.00-	81	3.55-	76	GLOB UNIF	WV 0 3
1962	LOAD Y	656 706	0.00-	158	3.55-	147	GLOB UNIF	WV 0 3
1963	LOAD Z	656 706	0.00-	26	3.55-	25	GLOB UNIF	WV 0 3
1964	LOAD X	656 706	3.55-	76	3.55-	71	GLOB UNIF	WV 0 3
1965	LOAD Y	656 706	3.55-	147	3.55-	137	GLOB UNIF	WV 0 3
1966	LOAD Z	656 706	3.55-	25	3.55-	23	GLOB UNIF	WV 0 3
1967	LOAD X	701 801	0.00-	108	8.79-	94	GLOB UNIF	WV 0 3
1968	LOAD Y	701 801	0.00-	155	8.79-	135	GLOB UNIF	WV 0 3
1969	LOAD Z	701 801	0.00-	03	8.79-	02	GLOB UNIF	WV 0 3
1970	LOAD X	701 801	8.79-	94	8.79-	83	GLOB UNIF	WV 0 3
1971	LOAD Y	701 801	8.79-	135	8.79-	119	GLOB UNIF	WV 0 3
1972	LOAD Z	701 801	8.79-	02	8.79-	02	GLOB UNIF	WV 0 3
1973	LOAD X	701 801	17.57-	83	8.79-	75	GLOB UNIF	WV 0 3
1974	LOAD Y	701 801	17.57-	119	8.79-	106	GLOB UNIF	WV 0 3
1975	LOAD Z	701 801	17.57-	02	8.79-	02	GLOB UNIF	WV 0 3
1976	LOAD X	703 803	0.00-	94	8.79-	82	GLOB UNIF	WV 0 3
1977	LOAD Y	703 803	0.00-	181	8.79-	160	GLOB UNIF	WV 0 3
1978	LOAD Z	703 803	0.00	29	8.79	25	GLOB UNIF	WV 0 3
1979	LOAD X	703 803	8.79-	82	8.79-	74	GLOB UNIF	WV 0 3
1980	LOAD Y	703 803	8.79-	160	8.79-	142	GLOB UNIF	WV 0 3
1981	LOAD Z	703 803	8.79	25	8.79	22	GLOB UNIF	WV 0 3
1982	LOAD X	703 803	17.57-	74	8.79-	67	GLOB UNIF	WV 0 3
1983	LOAD Y	703 803	17.57-	142	8.79-	128	GLOB UNIF	WV 0 3
1984	LOAD Z	703 803	17.57	22	8.79	20	GLOB UNIF	WV 0 3
1985	LOAD X	706 806	0.00-	69	8.79-	59	GLOB UNIF	WV 0 3
1986	LOAD Y	706 806	0.00-	133	8.79-	113	GLOB UNIF	WV 0 3
1987	LOAD Z	706 806	0.00-	22	8.79-	19	GLOB UNIF	WV 0 3
1988	LOAD X	706 806	8.79-	59	8.79-	51	GLOB UNIF	WV 0 3
1989	LOAD Y	706 806	8.79-	113	8.79-	97	GLOB UNIF	WV 0 3
1990	LOAD Z	706 806	8.79-	19	8.79-	16	GLOB UNIF	WV 0 3
1991	LOAD X	706 806	17.57-	51	8.79-	44	GLOB UNIF	WV 0 3
1992	LOAD Y	706 806	17.57-	97	8.79-	84	GLOB UNIF	WV 0 3
1993	LOAD Z	706 806	17.57-	16	8.79-	14	GLOB UNIF	WV 0 3
1994	LOAD X	801 901	0.00-	73	9.12-	65	GLOB UNIF	WV 0 3
1995	LOAD Y	801 901	0.00-	106	9.12-	95	GLOB UNIF	WV 0 3
1996	LOAD Z	801 901	0.00-	02	9.12-	1	GLOB UNIF	WV 0 3
1997	LOAD X	801 901	9.12-	65	9.12-	58	GLOB UNIF	WV 0 3
1998	LOAD Y	801 901	9.12-	95	9.12-	86	GLOB UNIF	WV 0 3
1999	LOAD Z	801 901	9.12-	1	9.12-	1	GLOB UNIF	WV 0 3
2000	LOAD X	801 901	18.25-	58	9.12-	52	GLOB UNIF	WV 0 3
2001	LOAD Y	801 901	18.25-	86	9.12-	80	GLOB UNIF	WV 0 3
2002	LOAD Z	801 901	18.25-	1	9.12-	1	GLOB UNIF	WV 0 3
2003	LOAD X	803 903	0.00-	67	9.12-	61	GLOB UNIF	WV 0 3
2004	LOAD Y	803 903	0.00-	128	9.12-	116	GLOB UNIF	WV 0 3
2005	LOAD Z	803 903	0.00	20	9.12	18	GLOB UNIF	WV 0 3
2006	LOAD X	803 903	9.12-	61	9.12-	57	GLOB UNIF	WV 0 3
2007	LOAD Y	803 903	9.12-	116	9.12-	107	GLOB UNIF	WV 0 3
2008	LOAD Z	803 903	9.12	18	9.12	17	GLOB UNIF	WV 0 3
2009	LOAD X	803 903	18.25-	57	9.12-	54	GLOB UNIF	WV 0 3

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

LINE NO.												
2010	LOAD	Y	803 903	18.25-	107	9.12-	100			GLOB UNIF	WV	0 3
2011	LOAD	Z	803 903	18.25	17	9.12	16			GLOB UNIF	WV	0 3
2012	LOAD	X	806 906	0.00-	44	9.12-	38			GLOB UNIF	WV	0 3
2013	LOAD	Y	806 906	0.00-	84	9.12-	72			GLOB UNIF	WV	0 3
2014	LOAD	Z	806 906	0.00-	14	9.12-	12			GLOB UNIF	WV	0 3
2015	LOAD	X	806 906	9.12-	38	9.12-	33			GLOB UNIF	WV	0 3
2016	LOAD	Y	806 906	9.12-	72	9.12-	63			GLOB UNIF	WV	0 3
2017	LOAD	Z	806 906	9.12-	12	9.12-	10			GLOB UNIF	WV	0 3
2018	LOAD	X	806 906	18.25-	33	9.12-	29			GLOB UNIF	WV	0 3
2019	LOAD	Y	806 906	18.25-	63	9.12-	54			GLOB UNIF	WV	0 3
2020	LOAD	Z	806 906	18.25-	10	9.12-	09			GLOB UNIF	WV	0 3
2021	LOAD	X	9011001	0.00-	52	9.12-	47			GLOB UNIF	WV	0 3
2022	LOAD	Y	9011001	0.00-	80	9.12-	75			GLOB UNIF	WV	0 3
2023	LOAD	Z	9011001	0.00-	1	9.12-	1			GLOB UNIF	WV	0 3
2024	LOAD	X	9011001	9.12-	47	9.12-	40			GLOB UNIF	WV	0 3
2025	LOAD	Y	9011001	9.12-	75	9.12-	65			GLOB UNIF	WV	0 3
2026	LOAD	Z	9011001	9.12-	1	9.12				GLOB UNIF	WV	0 3
2027	LOAD	X	9011001	18.25-	40	9.12-	06			GLOB UNIF	WV	0 3
2028	LOAD	Y	9011001	18.25-	65	9.12-	10			GLOB UNIF	WV	0 3
2029	LOAD	X	9031003	0.00-	54	9.12-	52			GLOB UNIF	WV	0 3
2030	LOAD	Y	9031003	0.00-	100	9.12-	95			GLOB UNIF	WV	0 3
2031	LOAD	Z	9031003	0.00	16	9.12	15			GLOB UNIF	WV	0 3
2032	LOAD	X	9031003	9.12-	52	9.12-	47			GLOB UNIF	WV	0 3
2033	LOAD	Y	9031003	9.12-	95	9.12-	86			GLOB UNIF	WV	0 3
2034	LOAD	Z	9031003	9.12	15	9.12	14			GLOB UNIF	WV	0 3
2035	LOAD	X	9031003	18.25-	47	9.12-	21			GLOB UNIF	WV	0 3
2036	LOAD	Y	9031003	18.25-	86	9.12-	38			GLOB UNIF	WV	0 3
2037	LOAD	Z	9031003	18.25	14	9.12	06			GLOB UNIF	WV	0 3
2038	LOAD	X	9061006	0.00-	29	9.12-	26			GLOB UNIF	WV	0 3
2039	LOAD	Y	9061006	0.00-	54	9.12-	47			GLOB UNIF	WV	0 3
2040	LOAD	Z	9061006	0.00-	09	9.12-	08			GLOB UNIF	WV	0 3
2041	LOAD	X	9061006	9.12-	26	9.12-	20			GLOB UNIF	WV	0 3
2042	LOAD	Y	9061006	9.12-	47	9.12-	35			GLOB UNIF	WV	0 3
2043	LOAD	Z	9061006	9.12-	08	9.12-	06			GLOB UNIF	WV	0 3
2044	LOAD	X	9061006	18.25-	20	5.77				GLOB UNIF	WV	0 3
2045	LOAD	X	9061006	24.02		3.35	11			GLOB UNIF	WV	0 3
2046	LOAD	Y	9061006	18.25-	35	5.87				GLOB UNIF	WV	0 3
2047	LOAD	Y	9061006	24.12		3.25	19			GLOB UNIF	WV	0 3
2048	LOAD	Z	9061006	18.25-	06	5.88				GLOB UNIF	WV	0 3
2049	LOAD	Z	9061006	24.13		3.24	03			GLOB UNIF	WV	0 3
2050	LOADCN		4									
2051	LOAD	Y	401 510	0.00-	135					GLOB CONC	WN	0 4
2052	LOAD	X	401 510					0.00	70240	GLOB MOMT	WN	0 4
2053	LOAD	Y	403 511	0.00-	135					GLOB CONC	WN	0 4
2054	LOAD	X	403 511					0.00	70240	GLOB MOMT	WN	0 4
2055	LOAD	Y	405 512	0.00-	135					GLOB CONC	WN	0 4
2056	LOAD	X	405 512					0.00	70240	GLOB MOMT	WN	0 4
2057	LOAD	Y	401 510	0.00-	320					GLOB CONC	WN	0 4
2058	LOAD	X	401 510					0.00	189520	GLOB MOMT	WN	0 4

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.														
2059	LOAD	Y	403	511	0.00-	326					GLOB	CONC	WN	0 4
2060	LOAD	X	403	511					0.00	189520	GLOB	MOMT	WN	0 4
2061	LOAD	Y	406	512	0.00-	326					GLOB	CONC	WN	0 4
2062	LOAD	X	406	512					0.00	189520	GLOB	MOMT	WN	0 4
2063	LOAD	X	201	303	23.66	16	2.93	17			GLOB	UNIF	WV	0 4
2064	LOAD	Y	201	303	23.66-	155	2.93-	223			GLOB	UNIF	WV	0 4
2065	LOAD	Z	201	303	23.66-	31	2.93-	34			GLOB	UNIF	WV	0 4
2066	LOAD	X	201	303	26.79	17	2.93	18			GLOB	UNIF	WV	0 4
2067	LOAD	Y	201	303	26.79-	225	2.93-	263			GLOB	UNIF	WV	0 4
2068	LOAD	Z	201	303	26.79-	34	2.95-	35			GLOB	UNIF	WV	0 4
2069	LOAD	X	201	303	29.72	18	2.93	19			GLOB	UNIF	WV	0 4
2070	LOAD	Y	201	303	29.72-	265	2.93-	275			GLOB	UNIF	WV	0 4
2071	LOAD	Z	201	303	29.72-	35	2.93-	37			GLOB	UNIF	WV	0 4
2072	LOAD	X	203	306	19.72	43	4.31	59			GLOB	UNIF	WV	0 4
2073	LOAD	Y	203	306	19.72-	99	4.31-	124			GLOB	UNIF	WV	0 4
2074	LOAD	Z	203	306	19.72-	124	4.31-	150			GLOB	UNIF	WV	0 4
2075	LOAD	X	203	306	24.03	59	4.31	60			GLOB	UNIF	WV	0 4
2076	LOAD	Y	203	306	24.03-	124	4.31-	125			GLOB	UNIF	WV	0 4
2077	LOAD	Z	203	306	24.03-	150	4.31-	152			GLOB	UNIF	WV	0 4
2078	LOAD	X	203	306	28.34	60	4.31	57			GLOB	UNIF	WV	0 4
2079	LOAD	Y	203	306	28.34-	125	4.31-	122			GLOB	UNIF	WV	0 4
2080	LOAD	Z	203	306	28.34-	152	4.31-	149			GLOB	UNIF	WV	0 4
2081	LOAD	X	206	301	21.53-	64	3.71-	80			GLOB	UNIF	WV	0 4
2082	LOAD	Y	206	301	21.53-	40	3.71-	63			GLOB	UNIF	WV	0 4
2083	LOAD	Z	206	301	21.53	05	3.71	27			GLOB	UNIF	WV	0 4
2084	LOAD	X	206	301	25.23-	80	3.71-	99			GLOB	UNIF	WV	0 4
2085	LOAD	Y	206	301	25.23-	63	3.71-	88			GLOB	UNIF	WV	0 4
2086	LOAD	Z	206	301	25.23	27	3.71	51			GLOB	UNIF	WV	0 4
2087	LOAD	X	206	301	28.94-	99	3.71-	105			GLOB	UNIF	WV	0 4
2088	LOAD	Y	206	301	28.94-	88	3.71-	96			GLOB	UNIF	WV	0 4
2089	LOAD	Z	206	301	28.94	51	3.71	60			GLOB	UNIF	WV	0 4
2090	LOAD	X	301	403	0.00	05	20.33	07			GLOB	UNIF	WV	0 4
2091	LOAD	Y	301	403	0.00-	135	20.33-	176			GLOB	UNIF	WV	0 4
2092	LOAD	Z	301	403	0.00-	05	20.33-	06			GLOB	UNIF	WV	0 4
2093	LOAD	X	301	403	20.33	07	20.33	08			GLOB	UNIF	WV	0 4
2094	LOAD	Y	301	403	20.33-	176	20.33-	118			GLOB	UNIF	WV	0 4
2095	LOAD	Z	301	403	20.33-	08	20.33-	08			GLOB	UNIF	WV	0 4
2096	LOAD	Y	301	303	0.00-	116	29.00-	116			GLOB	UNIF	WV	0 4
2097	LOAD	Z	301	303	0.00-	06	29.00-	06			GLOB	UNIF	WV	0 4
2098	LOAD	X	303	306	0.00	50	14.50	56			GLOB	UNIF	WV	0 4
2099	LOAD	Y	303	306	0.00-	29	14.50-	32			GLOB	UNIF	WV	0 4
2100	LOAD	Z	303	306	0.00-	06	14.50-	16			GLOB	UNIF	WV	0 4
2101	LOAD	X	303	306	14.50	56	14.50	50			GLOB	UNIF	WV	0 4
2102	LOAD	Y	303	306	14.50-	32	14.50-	29			GLOB	UNIF	WV	0 4
2103	LOAD	Z	303	306	14.50-	16	14.50-	23			GLOB	UNIF	WV	0 4
2104	LOAD	X	301	306	0.00-	50	14.50-	56			GLOB	UNIF	WV	0 4
2105	LOAD	Y	301	306	0.00-	29	14.50-	32			GLOB	UNIF	WV	0 4
2106	LOAD	Z	301	306	0.00-	06	14.50-	16			GLOB	UNIF	WV	0 4
2107	LOAD	X	301	306	14.50-	56	14.50-	50			GLOB	UNIF	WV	0 4

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            1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
2108	LOAD	Y	301	306	14.50-	32	14.50-	29	GLOB	UNIF	WV	0	4
2109	LOAD	Z	301	306	14.50-	16	14.50-	23	GLOB	UNIF	WV	0	4
2110	LOAD	Y	501	502	0.00-	70	15.15-	70	GLOB	UNIF	WV	0	4
2111	LOAD	Z	501	502	0.00-	06	15.15-	06	GLOB	UNIF	WV	0	4
2112	LOAD	Y	502	503	0.00-	70	15.15-	70	GLOB	UNIF	WV	0	4
2113	LOAD	Z	502	503	0.00-	05	15.15-	06	GLOB	UNIF	WV	0	4
2114	LOAD	X	503	505	0.00	30	15.15	30	GLOB	UNIF	WV	0	4
2115	LOAD	Y	503	505	0.00-	17	15.15-	17	GLOB	UNIF	WV	0	4
2116	LOAD	Z	503	505	0.00-	06	15.15-	08	GLOB	UNIF	WV	0	4
2117	LOAD	X	505	506	0.00	30	15.15	29	GLOB	UNIF	WV	0	4
2118	LOAD	Y	505	506	0.00-	17	15.15-	16	GLOB	UNIF	WV	0	4
2119	LOAD	Z	505	506	0.02-	08	15.15-	10	GLOB	UNIF	WV	0	4
2120	LOAD	X	501	504	0.00-	30	15.15-	30	GLOB	UNIF	WV	0	4
2121	LOAD	Y	501	504	0.00-	17	15.15-	17	GLOB	UNIF	WV	0	4
2122	LOAD	Z	501	504	0.00-	06	15.15-	08	GLOB	UNIF	WV	0	4
2123	LOAD	X	504	506	0.00-	30	15.15-	29	GLOB	UNIF	WV	0	4
2124	LOAD	Y	504	506	0.00-	17	15.15-	16	GLOB	UNIF	WV	0	4
2125	LOAD	Z	504	506	0.00-	08	15.15-	10	GLOB	UNIF	WV	0	4
2126	LOAD	X	502	504	0.00	24	15.15	24	GLOB	UNIF	WV	0	4
2127	LOAD	Y	502	504	0.00-	14	15.15-	14	GLOB	UNIF	WV	0	4
2128	LOAD	Z	502	504	0.00-	04	15.15-	05	GLOB	UNIF	WV	0	4
2129	LOAD	X	502	505	0.00-	24	15.15-	24	GLOB	UNIF	WV	0	4
2130	LOAD	Y	502	505	0.00-	14	15.15-	14	GLOB	UNIF	WV	0	4
2131	LOAD	Z	502	505	0.00-	04	15.15-	05	GLOB	UNIF	WV	0	4
2132	LOAD	Y	504	505	0.00-	55	15.14-	55	GLOB	UNIF	WV	0	4
2133	LOAD	Z	504	505	0.00-	05	15.14-	05	GLOB	UNIF	WV	0	4
2134	LOAD	X	501	513	0.00-	22	3.00-	22	GLOB	UNIF	WV	0	4
2135	LOAD	Y	501	513	0.00-	39	3.00-	39	GLOB	UNIF	WV	0	4
2136	LOAD	Z	501	513	0.00-	03	3.00-	03	GLOB	UNIF	WV	0	4
2137	LOAD	X	503	514	0.00	22	3.00	22	GLOB	UNIF	WV	0	4
2138	LOAD	Y	503	514	0.00-	39	3.00-	39	GLOB	UNIF	WV	0	4
2139	LOAD	Z	503	514	0.00-	03	3.00-	03	GLOB	UNIF	WV	0	4
2140	LOAD	Y	513	651	0.00-	193	6.00-	171	GLOB	UNIF	WV	0	4
2141	LOAD	Y	513	651	6.00-	171	6.00-	153	GLOB	UNIF	WV	0	4
2142	LOAD	Y	513	651	12.00-	153	6.00-	138	GLOB	UNIF	WV	0	4
2143	LOAD	Y	514	653	0.00-	193	6.00-	171	GLOB	UNIF	WV	0	4
2144	LOAD	Y	514	653	6.00-	171	6.00-	153	GLOB	UNIF	WV	0	4
2145	LOAD	Y	514	653	12.00-	153	6.00-	138	GLOB	UNIF	WV	0	4
2146	LOAD	Z	601	611	0.00-	04	6.00-	03	GLOB	UNIF	WV	0	4
2147	LOAD	Z	603	613	0.00-	04	6.00-	03	GLOB	UNIF	WV	0	4
2148	LOAD	Y	611	612	0.00-	44	16.01-	44	GLOB	UNIF	WV	0	4
2149	LOAD	Z	611	612	0.00-	02	16.01-	02	GLOB	UNIF	WV	0	4
2150	LOAD	Y	612	613	0.00-	44	16.01-	44	GLOB	UNIF	WV	0	4
2151	LOAD	Z	612	613	0.00-	02	16.01-	02	GLOB	UNIF	WV	0	4
2152	LOAD	Y	661	662	0.00-	78	17.75-	78	GLOB	UNIF	WV	0	4
2153	LOAD	Z	[illegible]	662	0.00-	1	17.75-	1	GLOB	UNIF	WV	0	4
2154	LOAD	Y	662	663	0.00-	78	17.75-	78	GLOB	UNIF	WV	0	4
2155	LOAD	Z	662	663	0.00-	1	17.75-	1	GLOB	UNIF	WV	0	4
2156	LOAD	X	611	651	0.00-	03	[illegible]	03	GLOB	UNIF	WV	0	4

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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
2157	LOAD Y	611	661	0.00-	121	6.06-	109	GLOB UNIF	WV	0 4
2158	LOAD X	611	661	6.06-	03	6.06-	03	GLOB UNIF	WV	0 4
2159	LOAD Y	611	661	6.06-	109	6.06-	98	GLOB UNIF	WV	0 4
2160	LOAD Y	612	662	0.00-	77	6.00-	69	GLOB UNIF	WV	0 4
2161	LOAD Y	612	662	6.00-	69	6.00-	62	GLOB UNIF	WV	0 4
2162	LOAD X	613	663	0.00	03	6.06	03	GLOB UNIF	WV	0 4
2163	LOAD Y	613	663	0.00-	121	6.06-	109	GLOB UNIF	WV	0 4
2164	LOAD X	613	663	6.06	03	6.06	03	GLOB UNIF	WV	0 4
2165	LOAD Y	613	663	6.06-	109	6.06-	98	GLOB UNIF	WV	0 4
2166	LOAD X	501	642	0.00	08	10.12	08	GLOB UNIF	WV	0 4
2167	LOAD Y	501	642	0.00-	86	10.12-	78	GLOB UNIF	WV	0 4
2168	LOAD Z	501	642	0.00-	04	10.12-	04	GLOB UNIF	WV	0 4
2169	LOAD X	501	642	10.12	08	10.12	07	GLOB UNIF	WV	0 4
2170	LOAD Y	501	642	10.12-	78	10.12-	70	GLOB UNIF	WV	0 4
2171	LOAD Z	501	642	10.12-	04	10.12-	04	GLOB UNIF	WV	0 4
2172	LOAD X	503	645	0.00	21	10.12	18	GLOB UNIF	WV	0 4
2173	LOAD Y	503	645	0.00-	47	10.12-	42	GLOB UNIF	WV	0 4
2174	LOAD Z	503	645	0.00-	45	10.12-	41	GLOB UNIF	WV	0 4
2175	LOAD X	503	645	10.12	18	10.12	15	GLOB UNIF	WV	0 4
2176	LOAD Y	503	645	10.12-	42	10.12-	38	GLOB UNIF	WV	0 4
2177	LOAD Z	503	645	10.12-	41	10.12-	37	GLOB UNIF	WV	0 4
2178	LOAD X	506	644	0.00-	28	6.75-	27	GLOB UNIF	WV	0 4
2179	LOAD Y	506	644	0.00-	39	6.75-	37	GLOB UNIF	WV	0 4
2180	LOAD Z	506	644	0.00	23	6.75	22	GLOB UNIF	WV	0 4
2181	LOAD X	506	644	6.75-	27	6.75-	25	GLOB UNIF	WV	0 4
2182	LOAD Y	506	644	6.75-	37	6.75-	36	GLOB UNIF	WV	0 4
2183	LOAD Z	506	644	6.75	22	6.75	21	GLOB UNIF	WV	0 4
2184	LOAD X	506	644	13.49-	25	6.75-	24	GLOB UNIF	WV	0 4
2185	LOAD Y	506	644	13.49-	36	6.75-	34	GLOB UNIF	WV	0 4
2186	LOAD Z	506	644	13.49	21	6.75	20	GLOB UNIF	WV	0 4
2187	LOAD X	642	703	0.00	08	7.31	08	GLOB UNIF	WV	0 4
2188	LOAD Y	642	703	0.00-	104	7.31-	96	GLOB UNIF	WV	0 4
2189	LOAD Z	642	703	0.00-	03	7.31-	03	GLOB UNIF	WV	0 4
2190	LOAD X	642	703	7.31	08	7.31	07	GLOB UNIF	WV	0 4
2191	LOAD Y	642	703	7.31-	96	7.31-	89	GLOB UNIF	WV	0 4
2192	LOAD Z	642	703	7.31-	03	7.31-	03	GLOB UNIF	WV	0 4
2193	LOAD X	642	703	14.62	07	7.31	07	GLOB UNIF	WV	0 4
2194	LOAD Y	642	703	14.62-	89	7.31-	82	GLOB UNIF	WV	0 4
2195	LOAD Z	642	703	14.62-	03	7.31-	03	GLOB UNIF	WV	0 4
2196	LOAD X	645	706	0.00	24	7.31	22	GLOB UNIF	WV	0 4
2197	LOAD Y	645	706	0.00-	55	7.31-	51	GLOB UNIF	WV	0 4
2198	LOAD Z	645	706	0.00-	52	7.31-	48	GLOB UNIF	WV	0 4
2199	LOAD X	645	706	7.31	22	7.31	20	GLOB UNIF	WV	0 4
2200	LOAD Y	645	706	7.31-	51	7.31-	46	GLOB UNIF	WV	0 4
2201	LOAD Z	645	706	7.31-	48	7.31-	44	GLOB UNIF	WV	0 4
2202	LOAD X	645	706	14.62	20	7.31	18	GLOB UNIF	WV	0 4
2203	LOAD Y	645	706	14.62-	46	7.31-	42	GLOB UNIF	WV	0 4
2204	LOAD Z	645	706	14.62-	44	7.31-	40	GLOB UNIF	WV	0 4
2205	LOAD X	644	701	0.00-	34	7.31-	31	GLOB UNIF	WV	0 4

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2206	LOAD	Y	644	701	0.00-	55	7.31-	49	GLOB	UNIF	WV 0 4
2207	LOAD	Z	644	701	0.00	34	7.31	32	GLOB	UNIF	WV 0 4
2208	LOAD	X	644	701	7.31-	31	7.31-	29	GLOB	UNIF	WV 0 4
2209	LOAD	Y	644	701	7.31-	49	7.31-	46	GLOB	UNIF	WV 0 4
2210	LOAD	Z	644	701	7.31	32	7.31	30	GLOB	UNIF	WV 0 4
2211	LOAD	X	644	701	14.62-	29	7.31-	27	GLOB	UNIF	WV 0 4
2212	LOAD	Y	644	701	14.62-	46	7.31-	42	GLOB	UNIF	WV 0 4
2213	LOAD	Z	644	701	14.62	30	7.31	28	GLOB	UNIF	WV 0 4
2214	LOAD	Y	701	702	0.00-	54	16.76-	54	GLOB	UNIF	WV 0 4
2215	LOAD	Z	701	702	0.00-	02	16.76-	02	GLOB	UNIF	WV 0 4
2216	LOAD	Y	702	703	0.00-	54	16.76-	54	GLOB	UNIF	WV 0 4
2217	LOAD	Z	702	703	0.00-	02	16.76-	02	GLOB	UNIF	WV 0 4
2218	LOAD	X	703	705	0.00	23	16.76	24	GLOB	UNIF	WV 0 4
2219	LOAD	Y	703	705	0.00-	13	16.76-	14	GLOB	UNIF	WV 0 4
2220	LOAD	Z	703	705	0.00-	02	16.76-	03	GLOB	UNIF	WV 0 4
2221	LOAD	X	705	706	0.00	24	16.75	23	GLOB	UNIF	WV 0 4
2222	LOAD	Y	705	706	0.00-	14	16.75-	13	GLOB	UNIF	WV 0 4
2223	LOAD	Z	705	706	0.00-	03	16.75-	03	GLOB	UNIF	WV 0 4
2224	LOAD	X	701	704	0.00-	23	16.76-	24	GLOB	UNIF	WV 0 4
2225	LOAD	Y	701	704	0.00-	13	16.76-	14	GLOB	UNIF	WV 0 4
2226	LOAD	Z	701	704	0.00-	02	16.76-	03	GLOB	UNIF	WV 0 4
2227	LOAD	X	704	706	0.00-	24	16.75-	23	GLOB	UNIF	WV 0 4
2228	LOAD	Y	704	706	0.00-	14	16.75-	13	GLOB	UNIF	WV 0 4
2229	LOAD	Z	704	706	0.00-	03	16.75-	03	GLOB	UNIF	WV 0 4
2230	LOAD	X	702	704	0.00	21	16.76	21	GLOB	UNIF	WV 0 4
2231	LOAD	Y	702	704	0.00-	12	16.76-	12	GLOB	UNIF	WV 0 4
2232	LOAD	Z	702	704	0.00-	06	16.76-	07	GLOB	UNIF	WV 0 4
2233	LOAD	X	702	705	0.00-	21	16.76-	21	GLOB	UNIF	WV 0 4
2234	LOAD	Y	702	705	0.00-	12	16.76-	12	GLOB	UNIF	WV 0 4
2235	LOAD	Z	702	705	0.00-	06	16.76-	07	GLOB	UNIF	WV 0 4
2236	LOAD	Y	704	705	0.00-	48	16.76-	48	GLOB	UNIF	WV 0 4
2237	LOAD	Z	704	705	0.00-	07	16.76-	07	GLOB	UNIF	WV 0 4
2238	LOAD	X	701	806	0.00-	22	16.27-	19	GLOB	UNIF	WV 0 4
2239	LOAD	Y	701	806	0.00-	39	16.27-	34	GLOB	UNIF	WV 0 4
2240	LOAD	Z	701	806	0.00-	39	16.27-	35	GLOB	UNIF	WV 0 4
2241	LOAD	X	701	806	16.27-	19	16.27-	16	GLOB	UNIF	WV 0 4
2242	LOAD	Y	701	806	16.27-	34	16.27-	30	GLOB	UNIF	WV 0 4
2243	LOAD	Z	701	806	16.27-	35	16.27-	30	GLOB	UNIF	WV 0 4
2244	LOAD	X	701	806	32.55-	16	16.27-	14	GLOB	UNIF	WV 0 4
2245	LOAD	Y	701	806	32.55-	30	16.27-	25	GLOB	UNIF	WV 0 4
2246	LOAD	Z	701	806	32.55-	30	16.27-	25	GLOB	UNIF	WV 0 4
2247	LOAD	X	703	801	0.00-	07	16.28-	06	GLOB	UNIF	WV 0 4
2248	LOAD	Y	703	801	0.00-	82	16.28-	72	GLOB	UNIF	WV 0 4
2249	LOAD	Z	703	801	0.00-	04	16.28-	03	GLOB	UNIF	WV 0 4
2250	LOAD	X	703	801	16.28-	06	16.28-	05	GLOB	UNIF	WV 0 4
2251	LOAD	Y	703	801	16.28-	72	16.28-	63	GLOB	UNIF	WV 0 4
2252	LOAD	Z	703	801	16.28-	03	16.28-	03	GLOB	UNIF	WV 0 4
2253	LOAD	X	703	801	32.55-	05	16.28-	04	GLOB	UNIF	WV 0 4
2254	LOAD	Y	703	801	32.55-	63	16.28-	56	GLOB	UNIF	WV 0 4

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   2255  LOAD Z  703 801   32.55-   03  16.28-   02              GLOB UNIF     WV 0 4
   2256  LOAD X  706 803    0.00    26  16.28    26              GLOB UNIF     WV 0 4
   2257  LOAD Y  706 803    0.00-   34  16.28-   32              GLOB UNIF     WV 0 4
   2258  LOAD Z  706 803    0.00    22  16.28    21              GLOB UNIF     WV 0 4
   2259  LOAD X  706 803   16.28    26  16.28    23              GLOB UNIF     WV 0 4
   2260  LOAD Y  706 803   16.28-   32  16.28-   29              GLOB UNIF     WV 0 4
   2261  LOAD Z  706 803   16.28    21  16.28    19              GLOB UNIF     WV 0 4
   2262  LOAD X  706 803   32.55    23  16.28    20              GLOB UNIF     WV 0 4
   2263  LOAD Y  706 803   32.55-   29  16.28-   26              GLOB UNIF     WV 0 4
   2264  LOAD Z  706 803   32.55    19  16.28    18              GLOB UNIF     WV 0 4
   2265  LOAD Y  801 802    0.00-   36  22.51-   36              GLOB UNIF     WV 0 4
   2266  LOAD Z  801 802    0.00-    1  22.51-    1              GLOB UNIF     WV 0 4
   2267  LOAD Y  802 803    0.00-   36  22.51-   36              GLOB UNIF     WV 0 4
   2268  LOAD Z  802 803    0.00-    1  22.51-    1              GLOB UNIF     WV 0 4
   2269  LOAD X  803 805    0.00    16  22.51    16              GLOB UNIF     WV 0 4
   2270  LOAD Y  803 805    0.00-   09  22.51-   09              GLOB UNIF     WV 0 4
   2271  LOAD Z  803 805    0.00-    1  22.51-   02              GLOB UNIF     WV 0 4
   2272  LOAD X  805 806    0.00    16  22.51    15              GLOB UNIF     WV 0 4
   2273  LOAD Y  805 806    0.00-   09  22.51-   09              GLOB UNIF     WV 0 4
   2274  LOAD Z  805 806    0.00-   02  22.51-   02              GLOB UNIF     WV 0 4
   2275  LOAD X  801 804    0.00-   16  22.51-   16              GLOB UNIF     WV 0 4
   2276  LOAD Y  801 804    0.00-   09  22.51-   09              GLOB UNIF     WV 0 4
   2277  LOAD Z  801 804    0.00-    1  22.51-   02              GLOB UNIF     WV 0 4
   2278  LOAD X  804 806    0.00-   16  22.51-   15              GLOB UNIF     WV 0 4
   2279  LOAD Y  804 806    0.00-   09  22.51-   09              GLOB UNIF     WV 0 4
   2280  LOAD Z  804 806    0.00-   02  22.51-   02              GLOB UNIF     WV 0 4
   2281  LOAD X  802 804    0.00    14  22.52    14              GLOB UNIF     WV 0 4
   2282  LOAD Y  802 804    0.00-   08  22.52-   08              GLOB UNIF     WV 0 4
   2283  LOAD Z  802 804    0.00-   04  22.52-   05              GLOB UNIF     WV 0 4
   2284  LOAD X  802 805    0.00-   14  22.52-   14              GLOB UNIF     WV 0 4
   2285  LOAD Y  802 805    0.00-   08  22.52-   08              GLOB UNIF     WV 0 4
   2286  LOAD Z  802 805    0.00-   04  22.52-   05              GLOB UNIF     WV 0 4
   2287  LOAD Y  804 805    0.00-   33  22.52-   33              GLOB UNIF     WV 0 4
   2288  LOAD Z  804 805    0.00-   05  22.52-   05              GLOB UNIF     WV 0 4
   2289  LOAD X  801 903    0.00    04  16.64    04              GLOB UNIF     WV 0 4
   2290  LOAD Y  801 903    0.00-   50  16.64-   50              GLOB UNIF     WV 0 4
   2291  LOAD Z  801 903    0.00-   03  16.64-   02              GLOB UNIF     WV 0 4
   2292  LOAD X  801 903   16.64    04  16.64    03              GLOB UNIF     WV 0 4
   2293  LOAD Y  801 903   16.64-   50  16.64-   46              GLOB UNIF     WV 0 4
   2294  LOAD Z  801 903   16.64-   02  16.64-   02              GLOB UNIF     WV 0 4
   2295  LOAD X  801 903   37.28    03  16.64    03              GLOB UNIF     WV 0 4
   2296  LOAD Y  801 903   37.28-   46  16.64-   42              GLOB UNIF     WV 0 4
   2297  LOAD Z  801 903   37.28-   02  16.64-    1              GLOB UNIF     WV 0 4
   2298  LOAD X  803 906    0.00    17  16.64    15              GLOB UNIF     WV 0 4
   2299  LOAD Y  803 906    0.00-   24  16.64-   22              GLOB UNIF     WV 0 4
   2300  LOAD Z  803 906    0.[illegible]-   25  16.64-   23              GLOB UNIF     WV 0 4
   2301  LOAD X  803 906   16.[illegible]    15  16.64    13              GLOB UNIF     WV 0 4
   2302  LOAD Y  803 906   16.64-   22  16.64-   19              GLOB UNIF     WV 0 4
   2303  LOAD Z  803 906   16.64-   23  16.64-   20              GLOB UNIF     WV 0 4
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2304  LOAD X  803 906  37.28     13  16.64    11                GLOB UNIF    WV 0 4
  2305  LOAD Y  803 906  37.28-    19  16.64-   16                GLOB UNIF    WV 0 4
  2306  LOAD Z  803 906  37.28-    20  16.64-   16                GLOB UNIF    WV 0 4
  2307  LOAD X  806 901   0.00-    19  16.64-   18                GLOB UNIF    WV 0 4
  2308  LOAD Y  806 901   0.00-    21  16.64-   21                GLOB UNIF    WV 0 4
  2309  LOAD Z  806 901   0.00     15  16.64    14                GLOB UNIF    WV 0 4
  2310  LOAD X  806 901  16.64-    18  16.64-   17                GLOB UNIF    WV 0 4
  2311  LOAD Y  806 901  16.64-    21  16.64-   19                GLOB UNIF    WV 0 4
  2312  LOAD Z  805 901  16.64     14  16.64    13                GLOB UNIF    WV 0 4
  2313  LOAD X  805 901  37.28-    17  16.64-   15                GLOB UNIF    WV 0 4
  2314  LOAD Y  805 901  37.28-    19  16.64-   18                GLOB UNIF    WV 0 4
  2315  LOAD Z  805 901  37.28     15  16.64    15                GLOB UNIF    WV 0 4
  2316  LOAD Y  901 902   0.00-    29  26.41-   29                GLOB UNIF    WV 0 4
  2317  LOAD Z  901 902   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2318  LOAD Y  902 903   0.00-    29  26.41-   29                GLOB UNIF    WV 0 4
  2319  LOAD Z  902 903   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2320  LOAD X  903 905   0.00     13  26.41    13                GLOB UNIF    WV 0 4
  2321  LOAD Y  903 905   0.00-    07  26.41-   08                GLOB UNIF    WV 0 4
  2322  LOAD Z  903 905   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2323  LOAD X  905 906   0.00     13  26.41    12                GLOB UNIF    WV 0 4
  2324  LOAD Y  905 906   0.00-    07  26.41-   07                GLOB UNIF    WV 0 4
  2325  LOAD Z  905 906   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2326  LOAD X  901 904   0.00-    13  26.41-   13                GLOB UNIF    WV 0 4
  2327  LOAD Y  901 904   0.00-    07  26.41-   08                GLOB UNIF    WV 0 4
  2328  LOAD Z  901 904   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2329  LOAD X  904 906   0.00-    13  26.41-   12                GLOB UNIF    WV 0 4
  2330  LOAD Y  904 906   0.00-    07  26.41-   07                GLOB UNIF    WV 0 4
  2331  LOAD Z  904 906   0.00-     1  26.41-    1                GLOB UNIF    WV 0 4
  2332  LOAD X  902 904   0.00     11  26.41    10                GLOB UNIF    WV 0 4
  2333  LOAD Y  902 904   0.00-    06  26.41-   06                GLOB UNIF    WV 0 4
  2334  LOAD Z  902 904   0.00-    02  26.41-   02                GLOB UNIF    WV 0 4
  2335  LOAD X  902 905   0.00-    11  26.41-   10                GLOB UNIF    WV 0 4
  2336  LOAD Y  902 905   0.00-    06  26.41-   06                GLOB UNIF    WV 0 4
  2337  LOAD Z  902 905   0.00-    02  26.41-   02                GLOB UNIF    WV 0 4
  2338  LOAD Y  904 905   0.00-    24  26.40-   24                GLOB UNIF    WV 0 4
  2339  LOAD Z  904 905   0.00-    02  26.40-   02                GLOB UNIF    WV 0 4
  2340  LOAD X  9011002   0.00     02  12.61    02                GLOB UNIF    WV 0 4
  2341  LOAD Y  9011002   0.00-    33  12.61-   31                GLOB UNIF    WV 0 4
  2342  LOAD Z  9011002   0.00      1  12.61     1                GLOB UNIF    WV 0 4
  2343  LOAD X  9011002  12.61     02  12.61     1                GLOB UNIF    WV 0 4
  2344  LOAD Y  9011002  12.61-    31  12.61-   27                GLOB UNIF    WV 0 4
  2345  LOAD Z  9011002  12.61      1  12.61     1                GLOB UNIF    WV 0 4
  2346  LOAD X  9011002  25.22      1  12.61                      GLOB UNIF    WV 0 4
  2347  LOAD Y  9011002  25.22-    27  12.61-   04                GLOB UNIF    WV 0 4
  2348  LOAD Z  9011002  25.22      1  12.61                      GLOB UNIF    WV 0 4
  2349  LOAD X  9031002   0.00-    02  12.61-   02                GLOB UNIF    WV 0 4
  2350  LOAD Y  9031002   0.00-    33  12.61-   31                GLOB UNIF    WV 0 4
  2351  LOAD Z  9031002   0.00      1  12.61     1                GLOB UNIF    WV 0 4
  2352  LOAD X  9031002  12.61-    02  12.61-    1                GLOB UNIF    WV 0 4
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LINE NO.	1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0								
2353	LOAD Y	9031002	12.61-	31	12.61-	27	GLOB UNIF	WV 0 4	
2354	LOAD Z	9031002	12.61	1	12.61	1	GLOB UNIF	WV 0 4	
2355	LOAD X	9031002	25.22-	1	12.61		GLOB UNIF	WV 0 4	
2356	LOAD Y	9031002	25.22-	27	12.61-	04	GLOB UNIF	WV 0 4	
2357	LOAD Z	9031002	25.22	1	12.61		GLOB UNIF	WV 0 4	
2358	LOAD X	9031005	0.00	06	12.61	06	GLOB UNIF	WV 0 4	
2359	LOAD Y	9031005	0.00-	21	12.61-	19	GLOB UNIF	WV 0 4	
2360	LOAD Z	9031005	0.00-	16	12.61-	15	GLOB UNIF	WV 0 4	
2361	LOAD X	9031005	12.61	06	12.61	05	GLOB UNIF	WV 0 4	
2362	LOAD Y	9031005	12.61-	19	12.61-	16	GLOB UNIF	WV 0 4	
2363	LOAD Z	9031005	12.61-	15	12.61-	13	GLOB UNIF	WV 0 4	
2364	LOAD X	9031005	25.23	05	12.61		GLOB UNIF	WV 0 4	
2365	LOAD Y	9031005	25.23-	16	12.61-	1	GLOB UNIF	WV 0 4	
2366	LOAD Z	9031005	25.23-	13	12.61-	1	GLOB UNIF	WV 0 4	
2367	LOAD X	9061005	0.00	06	12.61	07	GLOB UNIF	WV 0 4	
2368	LOAD Y	9061005	0.00-	20	12.61-	19	GLOB UNIF	WV 0 4	
2369	LOAD Z	9061005	0.00	12	12.61	12	GLOB UNIF	WV 0 4	
2370	LOAD X	9061005	12.61	07	12.61	06	GLOB UNIF	WV 0 4	
2371	LOAD Y	9061005	12.61-	19	12.61-	17	GLOB UNIF	WV 0 4	
2372	LOAD Z	9061005	12.61	12	12.61	10	GLOB UNIF	WV 0 4	
2373	LOAD X	9061005	25.22	06	12.61		GLOB UNIF	WV 0 4	
2374	LOAD Y	9061005	25.22-	17	12.61-	1	GLOB UNIF	WV 0 4	
2375	LOAD Z	9061005	25.22	10	12.61	1	GLOB UNIF	WV 0 4	
2376	LOAD X	9011004	0.00-	06	12.61-	06	GLOB UNIF	WV 0 4	
2377	LOAD Y	9011004	0.00-	21	12.61-	19	GLOB UNIF	WV 0 4	
2378	LOAD Z	9011004	0.00-	16	12.61-	15	GLOB UNIF	WV 0 4	
2379	LOAD X	9011004	12.61-	06	12.61-	05	GLOB UNIF	WV 0 4	
2380	LOAD Y	9011004	12.61-	19	12.61-	16	GLOB UNIF	WV 0 4	
2381	LOAD Z	9011004	12.61-	15	12.61-	13	GLOB UNIF	WV 0 4	
2382	LOAD X	9011004	25.23-	05	12.61		GLOB UNIF	WV 0 4	
2383	LOAD Y	9011004	25.23-	16	12.61-	1	GLOB UNIF	WV 0 4	
2384	LOAD Z	9011004	25.23-	13	12.61-	1	GLOB UNIF	WV 0 4	
2385	LOAD X	9061004	0.00-	06	12.61-	07	GLOB UNIF	WV 0 4	
2386	LOAD Y	9061004	0.00-	20	12.61-	19	GLOB UNIF	WV 0 4	
2387	LOAD Z	9061004	0.00	12	12.61	12	GLOB UNIF	WV 0 4	
2388	LOAD X	9061004	12.61-	07	12.61-	06	GLOB UNIF	WV 0 4	
2389	LOAD Y	9061004	12.61-	19	12.61-	17	GLOB UNIF	WV 0 4	
2390	LOAD Z	9061004	12.61	12	12.61	10	GLOB UNIF	WV 0 4	
2391	LOAD X	9061004	25.22-	06	12.61		GLOB UNIF	WV 0 4	
2392	LOAD Y	9061004	25.22-	17	12.61-	1	GLOB UNIF	WV 0 4	
2393	LOAD Z	9061004	25.22	10	12.61	1	GLOB UNIF	WV 0 4	
2394	LOAD Y	10011002	0.00-	05	30.31-	05	GLOB UNIF	WV 0 4	
2395	LOAD Y	10021003	0.00-	05	30.31-	05	GLOB UNIF	WV 0 4	
2396	LOAD X	10031005	0.00	02	10.10	02	GLOB UNIF	WV 0 4	
2397	LOAD Y	10031005	0.00-	1	10.10-	1	GLOB UNIF	WV 0 4	
2398	LOAD X	10031005	10.10	02	10.10	02	GLOB UNIF	WV 0 4	
2399	LOAD Y	10031005	10.10-	1	10.10-	1	GLOB UNIF	WV 0 4	
2400	LOAD X	10031005	20.21	02	10.10	1	GLOB UNIF	WV 0 4	
2401	LOAD Y	10031005	20.21-	1	10.10-	1	GLOB UNIF	WV 0 4	

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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
2402	LOAD	X	10051006	0.00	1	10.10	1	GLOB UNIF	WV	0 4
2403	LOAD	Y	10051006	0.00-	1	10.10		GLOB UNIF	WV	0 4
2404	LOAD	X	10051006	10.10	1	10.10		GLOB UNIF	WV	0 4
2405	LOAD	X	10011004	0.00-	02	10.10-	02	GLOB UNIF	WV	0 4
2406	LOAD	Y	10011004	0.00-	1	10.10-	1	GLOB UNIF	WV	0 4
2407	LOAD	X	10011004	10.10-	02	10.10-	02	GLOB UNIF	WV	0 4
2408	LOAD	Y	10011004	10.10-	1	10.10-	1	GLOB UNIF	WV	0 4
2409	LOAD	X	10011004	20.21-	02	10.10-	1	GLOB UNIF	WV	0 4
2410	LOAD	Y	10011004	20.21-	1	10.10-	1	GLOB UNIF	WV	0 4
2411	LOAD	X	10041006	0.00-	1	10.10-	1	GLOB UNIF	WV	0 4
2412	LOAD	Y	10041006	0.00-	1	10.10		GLOB UNIF	WV	0 4
2413	LOAD	X	10041006	10.10-	1	10.10		GLOB UNIF	WV	0 4
2414	LOAD	X	10021004	0.00	1	10.10	1	GLOB UNIF	WV	0 4
2415	LOAD	Y	10021004	0.00-	1	10.10-	1	GLOB UNIF	WV	0 4
2416	LOAD	X	10021004	10.10	1	10.10	1	GLOB UNIF	WV	0 4
2417	LOAD	Y	10021004	10.10-	1	10.10-	1	GLOB UNIF	WV	0 4
2418	LOAD	X	10021004	20.21	1	10.10	1	GLOB UNIF	WV	0 4
2419	LOAD	Y	10021004	20.21-	1	10.10		GLOB UNIF	WV	0 4
2420	LOAD	X	10021005	0.00-	1	10.10-	1	GLOB UNIF	WV	0 4
2421	LOAD	Y	10021005	0.00-	1	10.10-	1	GLOB UNIF	WV	0 4
2422	LOAD	X	10021005	10.10-	1	10.10-	1	GLOB UNIF	WV	0 4
2423	LOAD	Y	10021005	10.10-	1	10.10-	1	GLOB UNIF	WV	0 4
2424	LOAD	X	10021005	20.21-	1	10.10-	1	GLOB UNIF	WV	0 4
2425	LOAD	Y	10021005	20.21-	1	10.10		GLOB UNIF	WV	0 4
2426	LOAD	Y	10041005	0.00-	02	30.30-	02	GLOB UNIF	WV	0 4
2427	LOAD	Y	201 301	10.96-	91	1.35-	139	GLOB UNIF	WV	0 4
2428	LOAD	Y	201 301	12.31-	139	1.35-	166	GLOB UNIF	WV	0 4
2429	LOAD	Y	201 301	13.65-	166	1.35-	176	GLOB UNIF	WV	0 4
2430	LOAD	Y	203 303	10.96-	91	1.35-	139	GLOB UNIF	WV	0 4
2431	LOAD	Y	203 303	12.31-	139	1.35-	166	GLOB UNIF	WV	0 4
2432	LOAD	Y	203 303	13.65-	166	1.35-	176	GLOB UNIF	WV	0 4
2433	LOAD	Y	206 306	7.82-	41	2.39-	89	GLOB UNIF	WV	0 4
2434	LOAD	Y	206 306	10.21-	89	2.39-	138	GLOB UNIF	WV	0 4
2435	LOAD	Y	206 306	12.61-	138	2.39-	160	GLOB UNIF	WV	0 4
2436	LOAD	Y	301 401	0.00-	176	14.25-	225	GLOB UNIF	WV	0 4
2437	LOAD	Y	301 401	14.25-	225	14.25-	151	GLOB UNIF	WV	0 4
2438	LOAD	Y	303 403	0.00-	176	14.25-	225	GLOB UNIF	WV	0 4
2439	LOAD	Y	303 403	14.25-	225	14.25-	151	GLOB UNIF	WV	0 4
2440	LOAD	Y	306 406	0.00-	160	9.50-	214	GLOB UNIF	WV	0 4
2441	LOAD	Y	306 406	9.50-	214	9.50-	193	GLOB UNIF	WV	0 4
2442	LOAD	Y	306 406	19.00-	193	9.50-	133	GLOB UNIF	WV	0 4
2443	LOAD	X	401 501	0.00-	15	4.56-	12	GLOB UNIF	WV	0 4
2444	LOAD	Y	401 501	0.00-	246	4.56-	228	GLOB UNIF	WV	0 4
2445	LOAD	Z	401 501	0.00	19	4.56	17	GLOB UNIF	WV	0 4
2446	LOAD	X	403 503	0.00	13	4.56	12	GLOB UNIF	WV	0 4
2447	LOAD	Y	403 503	0.00-	248	4.56-	226	GLOB UNIF	WV	0 4
2448	LOAD	Z	403 503	0.00	19	4.56	17	GLOB UNIF	WV	0 4
2449	LOAD	Y	406 506	0.00-	215	4.56-	193	GLOB UNIF	WV	0 4
2450	LOAD	Z	406 506	0.00-	35	4.56-	32	GLOB UNIF	WV	0 4

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
2451	LOAD	X	501	601	0.00-	12	3.04-	12	GLOB	UNIF	WV	0 4
2452	LOAD	Y	501	601	0.00-	228	3.04-	214	GLOB	UNIF	WV	0 4
2453	LOAD	Z	501	601	0.00	17	3.04	16	GLOB	UNIF	WV	0 4
2454	LOAD	X	501	601	3.04-	12	3.04-	11	GLOB	UNIF	WV	0 4
2455	LOAD	Y	501	601	3.04-	214	3.04-	201	GLOB	UNIF	WV	0 4
2456	LOAD	Z	501	601	3.04	16	3.04	15	GLOB	UNIF	WV	0 4
2457	LOAD	X	503	603	0.00	12	3.04	12	GLOB	UNIF	WV	0 4
2458	LOAD	Y	503	603	0.00-	228	3.04-	214	GLOB	UNIF	WV	0 4
2459	LOAD	Z	503	603	0.00	17	3.04	16	GLOB	UNIF	WV	0 4
2460	LOAD	X	503	603	3.04	12	3.04	11	GLOB	UNIF	WV	0 4
2461	LOAD	Y	503	603	3.04-	214	3.04-	201	GLOB	UNIF	WV	0 4
2462	LOAD	Z	503	603	3.04	16	3.04	15	GLOB	UNIF	WV	0 4
2463	LOAD	Y	506	606	0.00-	193	3.04-	180	GLOB	UNIF	WV	0 4
2464	LOAD	Z	506	606	0.00-	32	3.04-	30	GLOB	UNIF	WV	0 4
2465	LOAD	Y	506	606	3.04-	180	3.04-	169	GLOB	UNIF	WV	0 4
2466	LOAD	Z	506	606	3.04-	30	3.04-	28	GLOB	UNIF	WV	0 4
2467	LOAD	X	601	641	0.00-	11	6.08-	10	GLOB	UNIF	WV	0 4
2468	LOAD	Y	601	641	0.00-	201	6.08-	181	GLOB	UNIF	WV	0 4
2469	LOAD	Z	601	641	0.00	15	6.08	14	GLOB	UNIF	WV	0 4
2470	LOAD	X	603	643	0.00	11	6.08	10	GLOB	UNIF	WV	0 4
2471	LOAD	Y	603	643	0.00-	201	6.08-	181	GLOB	UNIF	WV	0 4
2472	LOAD	Z	603	643	0.00	15	6.08	14	GLOB	UNIF	WV	0 4
2473	LOAD	Y	606	646	0.00-	169	6.08-	150	GLOB	UNIF	WV	0 4
2474	LOAD	Z	606	646	0.00-	28	6.08-	25	GLOB	UNIF	WV	0 4
2475	LOAD	X	641	651	0.00-	21	6.08-	19	GLOB	UNIF	WV	0 4
2476	LOAD	Y	641	651	0.00-	278	6.08-	250	GLOB	UNIF	WV	0 4
2477	LOAD	Z	641	651	0.00	20	6.08	18	GLOB	UNIF	WV	0 4
2478	LOAD	X	643	653	0.00	21	6.08	19	GLOB	UNIF	WV	0 4
2479	LOAD	Y	643	653	0.00-	278	6.08-	250	GLOB	UNIF	WV	0 4
2480	LOAD	Z	643	653	0.00	20	6.08	18	GLOB	UNIF	WV	0 4
2481	LOAD	Y	646	656	0.00-	212	6.08-	187	GLOB	UNIF	WV	0 4
2482	LOAD	Z	646	656	0.00-	35	6.08-	31	GLOB	UNIF	WV	0 4
2483	LOAD	X	651	701	0.00-	19	3.55-	18	GLOB	UNIF	WV	0 4
2484	LOAD	Y	651	701	0.00-	251	3.55-	236	GLOB	UNIF	WV	0 4
2485	LOAD	Z	651	701	0.00	18	3.55	17	GLOB	UNIF	WV	0 4
2486	LOAD	X	651	701	3.55-	18	3.55-	17	GLOB	UNIF	WV	0 4
2487	LOAD	Y	651	701	3.55-	236	3.55-	222	GLOB	UNIF	WV	0 4
2488	LOAD	Z	651	701	3.55	17	3.55	16	GLOB	UNIF	WV	0 4
2489	LOAD	X	653	703	0.00	19	3.55	18	GLOB	UNIF	WV	0 4
2490	LOAD	Y	653	703	0.00-	251	3.55-	236	GLOB	UNIF	WV	0 4
2491	LOAD	Z	653	703	0.00	18	3.55	17	GLOB	UNIF	WV	0 4
2492	LOAD	X	653	703	3.55	18	3.55	17	GLOB	UNIF	WV	0 4
2493	LOAD	Y	653	703	3.55-	236	3.55-	222	GLOB	UNIF	WV	0 4
2494	LOAD	Z	653	703	3.55	17	3.55	16	GLOB	UNIF	WV	0 4
2495	LOAD	Y	656	706	0.00-	187	3.55-	175	GLOB	UNIF	WV	0 4
2496	LOAD	Z	656	706	0.00-	31	3.55-	29	GLOB	UNIF	WV	0 4
2497	LOAD	Y	656	706	3.55-	175	3.55-	162	GLOB	UNIF	WV	0 4
2498	LOAD	Z	656	706	3.55-	29	3.55-	27	GLOB	UNIF	WV	0 4
2499	LOAD	X	701	801	0.00-	15	8.79-	13	GLOB	UNIF	WV	0 4

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
2500	LOAD Y	701 801	0.00-	209	8.79-	183	GLOB UNIF	WV	0	4
2501	LOAD Z	701 801	0.00	15	8.79	13	GLOB UNIF	WV	0	4
2502	LOAD X	701 801	8.79-	13	8.79-	11	GLOB UNIF	WV	0	4
2503	LOAD Y	701 801	8.79-	183	8.79-	163	GLOB UNIF	WV	0	4
2504	LOAD Z	701 801	8.79	13	8.79	12	GLOB UNIF	WV	0	4
2505	LOAD X	701 801	17.57-	11	8.79-	10	GLOB UNIF	WV	0	4
2506	LOAD Y	701 801	17.57-	163	8.79-	146	GLOB UNIF	WV	0	4
2507	LOAD Z	701 801	17.57	12	8.79	11	GLOB UNIF	WV	0	4
2508	LOAD X	703 803	0.00	15	8.79	13	GLOB UNIF	WV	0	4
2509	LOAD Y	703 803	0.00-	209	8.79-	183	GLOB UNIF	WV	0	4
2510	LOAD Z	703 803	0.00	15	8.79	13	GLOB UNIF	WV	0	4
2511	LOAD X	703 803	8.79	13	8.79	11	GLOB UNIF	WV	0	4
2512	LOAD Y	703 803	8.79-	183	8.79-	163	GLOB UNIF	WV	0	4
2513	LOAD Z	703 803	8.79	13	8.79	12	GLOB UNIF	WV	0	4
2514	LOAD X	703 803	17.57	11	8.79	10	GLOB UNIF	WV	0	4
2515	LOAD Y	703 803	17.57-	163	8.79-	146	GLOB UNIF	WV	0	4
2516	LOAD Z	703 803	17.57	12	8.79	11	GLOB UNIF	WV	0	4
2517	LOAD Y	705 806	0.00-	157	8.79-	133	GLOB UNIF	WV	0	4
2518	LOAD Z	705 806	0.00-	26	8.79-	22	GLOB UNIF	WV	0	4
2519	LOAD Y	705 806	8.79-	133	8.79-	114	GLOB UNIF	WV	0	4
2520	LOAD Z	705 806	8.79-	22	8.79-	19	GLOB UNIF	WV	0	4
2521	LOAD Y	706 806	17.57-	114	8.79-	98	GLOB UNIF	WV	0	4
2522	LOAD Z	706 806	17.57-	19	8.79-	16	GLOB UNIF	WV	0	4
2523	LOAD X	801 901	0.00-	10	9.12-	08	GLOB UNIF	WV	0	4
2524	LOAD Y	801 901	0.00-	146	9.12-	132	GLOB UNIF	WV	0	4
2525	LOAD Z	801 901	0.00	11	9.12	10	GLOB UNIF	WV	0	4
2526	LOAD X	801 901	9.12-	08	9.12-	07	GLOB UNIF	WV	0	4
2527	LOAD Y	801 901	9.12-	132	9.12-	121	GLOB UNIF	WV	0	4
2528	LOAD Z	801 901	9.12	10	9.12	09	GLOB UNIF	WV	0	4
2529	LOAD X	801 901	18.25-	07	9.12-	05	GLOB UNIF	WV	0	4
2530	LOAD Y	801 901	18.25-	121	9.12-	112	GLOB UNIF	WV	0	4
2531	LOAD Z	801 901	18.25	09	9.12	09	GLOB UNIF	WV	0	4
2532	LOAD X	803 903	0.00	10	9.12	08	GLOB UNIF	WV	0	4
2533	LOAD Y	803 903	0.00-	146	9.12-	132	GLOB UNIF	WV	0	4
2534	LOAD Z	803 903	0.00	11	9.12	10	GLOB UNIF	WV	0	4
2535	LOAD X	803 903	9.12	08	9.12	07	GLOB UNIF	WV	0	4
2536	LOAD Y	803 903	9.12-	132	9.12-	121	GLOB UNIF	WV	0	4
2537	LOAD Z	803 903	9.12	10	9.12	09	GLOB UNIF	WV	0	4
2538	LOAD X	803 903	18.25	07	9.12	05	GLOB UNIF	WV	0	4
2539	LOAD Y	803 903	18.25-	121	9.12-	112	GLOB UNIF	WV	0	4
2540	LOAD Z	803 903	18.25	09	9.12	09	GLOB UNIF	WV	0	4
2541	LOAD Y	806 906	0.00-	95	13.69-	78	GLOB UNIF	WV	0	4
2542	LOAD Z	806 906	0.00-	16	13.69-	13	GLOB UNIF	WV	0	4
2543	LOAD Y	806 906	13.69-	78	13.69-	63	GLOB UNIF	WV	0	4
2544	LOAD Z	806 906	13.69-	13	13.69-	11	GLOB UNIF	WV	0	4
2545	LOAD X	9011001	0.00-	05	9.12-	04	GLOB UNIF	WV	0	4
2546	LOAD Y	9011001	0.00-	112	9.12-	106	GLOB UNIF	WV	0	4
2547	LOAD Z	9011001	0.00	09	9.12	08	GLOB UNIF	WV	0	4
2548	LOAD X	9011001	9.12-	04	9.12-	02	GLOB UNIF	WV	0	4

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                                                                                                        PAGE    53
                                                                                                        DATE    08/27/76
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     2549  LOAD Y  9011001   9.12-   106   9.12-    95              GLOB UNIF    WV 0 4
     2550  LOAD Z  9011001   9.12     08   9.12     08              GLOB UNIF    WV 0 4
     2551  LOAD X  9011001  18.25-    02   9.12                     GLOB UNIF    WV 0 4
     2552  LOAD Y  9011001  18.25-    95   9.12-    36              GLOB UNIF    WV 0 4
     2553  LOAD Z  9011001  18.25     08   9.12     03              GLOB UNIF    WV 0 4
     2554  LOAD X  9031003   0.00     05   9.12     04              GLOB UNIF    WV 0 4
     2555  LOAD Y  9031003   0.00-   112   9.12-   106              GLOB UNIF    WV 0 4
     2556  LOAD Z  9031003   0.00     09   9.12     08              GLOB UNIF    WV 0 4
     2557  LOAD X  9031003   9.12     04   9.12     02              GLOB UNIF    WV 0 4
     2558  LOAD Y  9031003   9.12-   106   9.12-    95              GLOB UNIF    WV 0 4
     2559  LOAD Z  9031003   9.12     08   9.12     08              GLOB UNIF    WV 0 4
     2560  LOAD X  9031003  18.25     02   9.12                     GLOB UNIF    WV 0 4
     2561  LOAD Y  9031003  18.25-    95   9.12-    36              GLOB UNIF    WV 0 4
     2562  LOAD Z  9031003  18.25     08   9.12     03              GLOB UNIF    WV 0 4
     2563  LOAD Y  9061006   0.00-    63   9.12-    55              GLOB UNIF    WV 0 4
     2564  LOAD Z  9061006   0.00-    11   9.12-    09              GLOB UNIF    WV 0 4
     2565  LOAD Y  9061006   9.12-    55   9.12-    41              GLOB UNIF    WV 0 4
     2566  LOAD Z  9061006   9.12-    09   9.12-    07              GLOB UNIF    WV 0 4
     2567  LOAD Y  9061006  18.25-    41   5.92                     GLOB UNIF    WV 0 4
     2568  LOAD Y  9061006  24.17           3.20    22              GLOB UNIF    WV 0 4
     2569  LOAD Z  9061006  18.25-    07   5.91                     GLOB UNIF    WV 0 4
     2570  LOAD Z  9061006  24.16           3.22    04              GLOB UNIF    WV 0 4
     2571  LOADCN    5
     2572  LOAD Z  101 102   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2573  LOAD Z  102 103   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2574  LOAD Z  103 105   0.00  -.055  14.49  -.055              GLOB UNIF    DL 0 5
     2575  LOAD Z  105 106   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2576  LOAD Z  101 104   0.00  -.055  14.49  -.055              GLOB UNIF    DL 0 5
     2577  LOAD Z  104 106   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2578  LOAD Z  102 104   0.00  -.024  14.49  -.024              GLOB UNIF    DL 0 5
     2579  LOAD Z  102 105   0.00  -.024  14.49  -.024              GLOB UNIF    DL 0 5
     2580  LOAD Z  104 105   0.00  -.024  14.50  -.024              GLOB UNIF    DL 0 5
     2581  LOAD Z  106 201   0.00  -.065  32.65  -.065              GLOB UNIF    DL 0 5
     2582  LOAD Z  201 202   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2583  LOAD Z  202 203   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2584  LOAD Z  203 205   0.00  -.073  14.49  -.073              GLOB UNIF    DL 0 5
     2585  LOAD Z  205 206   0.00  -.073  14.50  -.073              GLOB UNIF    DL 0 5
     2586  LOAD Z  201 204   0.00  -.055  14.49  -.055              GLOB UNIF    DL 0 5
     2587  LOAD Z  204 206   0.00  -.055  14.50  -.055              GLOB UNIF    DL 0 5
     2588  LOAD Z  202 204   0.00  -.024  14.49  -.024              GLOB UNIF    DL 0 5
     2589  LOAD Z  202 205   0.00  -.024  14.49  -.024              GLOB UNIF    DL 0 5
     2590  LOAD Z  204 205   0.00  -.024  14.50  -.024              GLOB UNIF    DL 0 5
     2591  LOAD Z  201 303   0.00  -.096  28.73  -.096              GLOB UNIF    DL 0 5
     2592  LOAD Z  201 303  28.73  -.039   5.92  -.039              GLOB UNIF    DL 0 5
     2593  LOAD Z  203 306   0.00  -.096  28.73  -.096              GLOB UNIF    DL 0 5
     2594  LOAD Z  203 306  28.73  -.039   5.92  -.039              GLOB UNIF    DL 0 5
     2595  LOAD Z  205 301   0.00  -.096  28.73  -.096              GLOB UNIF    DL 0 5
     2596  LOAD Z  206 301  28.73  -.039   5.92  -.039              GLOB UNIF    DL 0 5
     2597  LOAD Z  301 403   0.00  -.009  40.66  -.009              GLOB UNIF    DL 0 5
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.										
2598	LOAD Z	301	303	0.00	-.009	29.00	-.009	GLOB	UNIF	DL 0 5
2599	LOAD Z	303	306	0.00	-.009	29.00	-.009	GLOB	UNIF	DL 0 5
2600	LOAD Z	301	306	0.00	-.009	29.00	-.009	GLOB	UNIF	DL 0 5
2601	LOAD Z	501	502	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2602	LOAD Z	502	503	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2603	LOAD Z	503	505	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2604	LOAD Z	505	506	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2605	LOAD Z	501	504	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2606	LOAD Z	504	506	0.00	-.013	15.15	-.013	GLOB	UNIF	DL 0 5
2607	LOAD Z	502	504	0.00	-.009	15.15	-.009	GLOB	UNIF	DL 0 5
2608	LOAD Z	502	505	0.00	-.009	15.15	-.009	GLOB	UNIF	DL 0 5
2609	LOAD Z	504	505	0.00	-.009	15.14	-.009	GLOB	UNIF	DL 0 5
2610	LOAD Z	501	507	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2611	LOAD Z	507	510	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2612	LOAD Z	503	508	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2613	LOAD Z	508	511	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2614	LOAD Z	506	509	0.00	-.148	2.01	-.148	GLOB	UNIF	DL 0 5
2615	LOAD Z	509	512	0.00	-.148	2.01	-.148	GLOB	UNIF	DL 0 5
2616	LOAD Z	501	513	0.00	-.009	3.00	-.009	GLOB	UNIF	DL 0 5
2617	LOAD Z	503	514	0.00	-.009	3.00	-.009	GLOB	UNIF	DL 0 5
2618	LOAD Z	513	651	0.00	.020	18.00	.020	GLOB	UNIF	DL 0 5
2619	LOAD Z	514	653	0.00	.020	18.00	.020	GLOB	UNIF	DL 0 5
2620	LOAD Z	601	611	0.00	-.049	6.00	-.049	GLOB	UNIF	DL 0 5
2621	LOAD Z	603	613	0.00	-.049	6.00	-.049	GLOB	UNIF	DL 0 5
2622	LOAD Z	651	661	0.00	-.049	5.00	-.049	GLOB	UNIF	DL 0 5
2623	LOAD Z	653	663	0.00	-.049	5.00	-.049	GLOB	UNIF	DL 0 5
2624	LOAD Z	611	612	0.00	-.017	16.01	-.017	GLOB	UNIF	DL 0 5
2625	LOAD Z	612	613	0.00	-.017	16.01	-.017	GLOB	UNIF	DL 0 5
2626	LOAD Z	661	662	0.00	-.017	17.75	-.017	GLOB	UNIF	DL 0 5
2627	LOAD Z	662	663	0.00	-.017	17.75	-.017	GLOB	UNIF	DL 0 5
2628	LOAD Z	611	661	0.00	-.049	12.13	-.049	GLOB	UNIF	DL 0 5
2629	LOAD Z	612	662	0.00	-.049	12.00	-.049	GLOB	UNIF	DL 0 5
2630	LOAD Z	613	663	0.00	-.049	12.13	-.049	GLOB	UNIF	DL 0 5
2631	LOAD Z	501	642	0.00	.010	20.25	.010	GLOB	UNIF	DL 0 5
2632	LOAD Z	503	645	0.00	.010	20.25	.010	GLOB	UNIF	DL 0 5
2633	LOAD Z	506	644	0.00	.010	20.24	.010	GLOB	UNIF	DL 0 5
2634	LOAD Z	642	703	0.00	.010	21.93	.010	GLOB	UNIF	DL 0 5
2635	LOAD Z	645	706	0.00	.010	21.93	.010	GLOB	UNIF	DL 0 5
2636	LOAD Z	644	701	0.00	.010	21.94	.010	GLOB	UNIF	DL 0 5
2637	LOAD Z	701	702	0.00	.007	16.76	.007	GLOB	UNIF	DL 0 5
2638	LOAD Z	702	703	0.00	.007	16.76	.007	GLOB	UNIF	DL 0 5
2639	LOAD Z	703	705	0.00	.007	16.76	.007	GLOB	UNIF	DL 0 5
2640	LOAD Z	705	706	0.00	.007	16.75	.007	GLOB	UNIF	DL 0 5
2641	LOAD Z	701	704	0.00	.007	16.76	.007	GLOB	UNIF	DL 0 5
2642	LOAD Z	704	706	0.00	.007	16.75	.007	GLOB	UNIF	DL 0 5
2643	LOAD Z	701	707	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2644	LOAD Z	707	710	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2645	LOAD Z	704	708	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5
2646	LOAD Z	708	711	0.00	-.148	2.00	-.148	GLOB	UNIF	DL 0 5

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
2647	LOAD 2	706 709	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2648	LOAD 2	709 712	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2649	LOAD 2	701 806	0.00	.010	46.82	.010	GLOB UNIF	DL 0 5	
2650	LOAD 2	703 801	0.00	.010	46.83	.010	GLOB UNIF	DL 0 5	
2651	LOAD 2	706 803	0.00	.010	46.83	.010	GLOB UNIF	DL 0 5	
2652	LOAD 2	801 802	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2653	LOAD 2	802 803	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2654	LOAD 2	803 805	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2655	LOAD 2	805 806	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2656	LOAD 2	801 804	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2657	LOAD 2	804 806	0.00	.007	22.51	.007	GLOB UNIF	DL 0 5	
2658	LOAD 2	801 807	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2659	LOAD 2	807 810	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2660	LOAD 2	803 808	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2661	LOAD 2	808 811	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2662	LOAD 2	806 809	0.00	-.148	2.01	-.148	GLOB UNIF	DL 0 5	
2663	LOAD 2	809 812	0.00	-.148	2.01	-.148	GLOB UNIF	DL 0 5	
2664	LOAD 2	801 903	0.00	.010	55.92	.010	GLOB UNIF	DL 0 5	
2665	LOAD 2	803 906	0.00	.010	55.92	.010	GLOB UNIF	DL 0 5	
2666	LOAD 2	806 901	0.00	.010	55.92	.010	GLOB UNIF	DL 0 5	
2667	LOAD 2	901 902	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2668	LOAD 2	902 903	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2669	LOAD 2	903 905	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2670	LOAD 2	905 906	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2671	LOAD 2	901 904	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2672	LOAD 2	904 906	0.00	-.004	26.41	-.004	GLOB UNIF	DL 0 5	
2673	LOAD 2	901 907	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2674	LOAD 2	907 910	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2675	LOAD 2	903 908	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2676	LOAD 2	908 911	0.00	-.148	2.00	-.148	GLOB UNIF	DL 0 5	
2677	LOAD 2	906 909	0.00	-.148	2.20	-.148	GLOB UNIF	DL 0 5	
2678	LOAD 2	909 912	0.00	-.148	2.20	-.148	GLOB UNIF	DL 0 5	
2679	LOAD 2	9011002	0.00	-.013	37.84	-.013	GLOB UNIF	DL 0 5	
2680	LOAD 2	9031002	0.00	-.013	37.84	-.013	GLOB UNIF	DL 0 5	
2681	LOAD 2	9031005	0.00	-.013	37.84	-.013	GLOB UNIF	DL 0 5	
2682	LOAD 2	9061005	0.00	-.013	37.83	-.013	GLOB UNIF	DL 0 5	
2683	LOAD 2	9011004	0.00	-.013	37.84	-.013	GLOB UNIF	DL 0 5	
2684	LOAD 2	9061004	0.00	-.013	37.83	-.013	GLOB UNIF	DL 0 5	
2685	LOAD 2	10011002	0.00	.010	30.31	.010	GLOB UNIF	DL 0 5	
2686	LOAD 2	10021003	0.00	.010	30.31	.010	GLOB UNIF	DL 0 5	
2687	LOAD 2	10031005	0.00	.010	30.31	.010	GLOB UNIF	DL 0 5	
2688	LOAD 2	10051006	0.00	.010	30.30	.010	GLOB UNIF	DL 0 5	
2689	LOAD 2	10011004	0.00	.010	30.31	.010	GLOB UNIF	DL 0 5	
2690	LOAD 2	10041006	0.00	.010	30.30	.010	GLOB UNIF	DL 0 5	
2691	LOAD 2	10021004	0.00	.014	30.31	.014	GLOB UNIF	DL 0 5	
2692	LOAD 2	10021005	0.00	.014	30.31	.014	GLOB UNIF	DL 0 5	
2693	LOAD 2	10041005	0.00	.014	30.30	.014	GLOB UNIF	DL 0 5	
2694	LOAD 2	10011007	0.00	-.148	1.99	-.148	GLOB UNIF	DL 0 5	
2695	LOAD 2	10071010	0.00	-.148	1.99	-.148	GLOB UNIF	DL 0 5	

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

LINE NO.												
2696	LOAD	2	10031008	0.00	-.148	1.99	-.148	GLOB	UNIF	DL	0	5
2697	LOAD	2	10081011	0.00	-.148	1.99	-.148	GLOB	UNIF	DL	0	5
2698	LOAD	2	10061009	0.00	-.148	2.01	-.148	GLOB	UNIF	DL	0	5
2699	LOAD	2	10091012	0.00	-.148	2.01	-.148	GLOB	UNIF	DL	0	5
2700	LOAD	2	101 201	0.00	-.310	15.00	-.310	GLOB	UNIF	DL	0	5
2701	LOAD	2	103 203	0.00	-.310	15.00	-.310	GLOB	UNIF	DL	0	5
2702	LOAD	2	106 206	0.00	-.310	15.00	-.310	GLOB	UNIF	DL	0	5
2703	LOAD	2	201 301	0.00	-.310	13.20	-.310	GLOB	UNIF	DL	0	5
2704	LOAD	2	201 301	13.20	.004	1.80	.004	GLOB	UNIF	DL	0	5
2705	LOAD	2	203 303	0.00	-.310	13.20	-.310	GLOB	UNIF	DL	0	5
2706	LOAD	2	203 303	13.20	.004	1.80	.004	GLOB	UNIF	DL	0	5
2707	LOAD	2	206 306	0.00	-.310	13.20	-.310	GLOB	UNIF	DL	0	5
2708	LOAD	2	206 306	13.20	.004	1.80	.004	GLOB	UNIF	DL	0	5
2709	LOAD	2	301 401	0.00	.004	26.50	.004	GLOB	UNIF	DL	0	5
2710	LOAD	2	303 403	0.00	.004	26.50	.004	GLOB	UNIF	DL	0	5
2711	LOAD	2	306 406	0.00	.004	26.50	.004	GLOB	UNIF	DL	0	5
2712	LOAD	2	401 501	0.00	-.423	4.56	-.423	GLOB	UNIF	DL	0	5
2713	LOAD	2	403 503	0.00	-.423	4.56	-.423	GLOB	UNIF	DL	0	5
2714	LOAD	2	406 506	0.00	-.423	4.56	-.423	GLOB	UNIF	DL	0	5
2715	LOAD	2	501 601	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2716	LOAD	2	503 603	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2717	LOAD	2	506 606	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2718	LOAD	2	601 641	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2719	LOAD	2	603 643	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2720	LOAD	2	606 646	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2721	LOAD	2	641 651	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2722	LOAD	2	643 653	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2723	LOAD	2	646 656	0.00	-.423	6.08	-.423	GLOB	UNIF	DL	0	5
2724	LOAD	2	651 701	0.00	-.423	7.10	-.423	GLOB	UNIF	DL	0	5
2725	LOAD	2	653 703	0.00	-.423	7.10	-.423	GLOB	UNIF	DL	0	5
2726	LOAD	2	656 706	0.00	-.423	7.10	-.423	GLOB	UNIF	DL	0	5
2727	LOAD	2	701 801	0.00	-.209	26.36	-.209	GLOB	UNIF	DL	0	5
2728	LOAD	2	703 803	0.00	-.209	26.36	-.209	GLOB	UNIF	DL	0	5
2729	LOAD	2	706 806	0.00	-.209	26.36	-.209	GLOB	UNIF	DL	0	5
2730	LOAD	2	801 901	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2731	LOAD	2	803 903	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2732	LOAD	2	806 906	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2733	LOAD	2	9011001	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2734	LOAD	2	9031003	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2735	LOAD	2	9061006	0.00	-.209	27.37	-.209	GLOB	UNIF	DL	0	5
2736	LOAD	2	401 510	0.00	-.654	4.55	-.654	GLOB	UNIF	DL	0	5
2737	LOAD	2	403 511	0.00	-.654	4.55	-.654	GLOB	UNIF	DL	0	5
2738	LOAD	2	406 512	0.00	-.654	4.55	-.654	GLOB	UNIF	DL	0	5
2739	LOAD	2	510 710	0.00	-.654	25.34	-.654	GLOB	UNIF	DL	0	5
2740	LOAD	2	511 711	0.00	-.654	25.34	-.654	GLOB	UNIF	DL	0	5
2741	LOAD	2	512 712	0.00	-.654	25.35	-.654	GLOB	UNIF	DL	0	5
2742	LOAD	2	710 810	0.00	-.743	26.36	-.743	GLOB	UNIF	DL	0	5
2743	LOAD	2	711 811	0.00	-.743	26.36	-.743	GLOB	UNIF	DL	0	5
2744	LOAD	2	712 812	0.00	-.743	26.36	-.743	GLOB	UNIF	DL	0	5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2745  LOAD Z  810 910   0.00  -.743  27.37  -.743            GLOB UNIF     DL 0 5
  2746  LOAD Z  811 911   0.00  -.743  27.37  -.743            GLOB UNIF     DL 0 5
  2747  LOAD Z  812 912   0.00  -.743  27.37  -.743            GLOB UNIF     DL 0 5
  2748  LOAD Z  9101010   0.00  -.674  27.37  -.674            GLOB UNIF     DL 0 5
  2749  LOAD Z  9111011   0.00  -.674  27.37  -.674            GLOB UNIF     DL 0 5
  2750  LOAD Z  9121012   0.00  -.674  27.37  -.674            GLOB UNIF     DL 0 5
  2751  LOAD Z  201 202         -500                           GLOB CONC   DL LWR
  2752  LOAD Z  203 205         -500                           GLOB CONC   DL LWR
  2753  LOAD Z  204 206   1440  -500                           GLOB CONC   DL LWR
  2754  LOAD Z  101 102         -500                           GLOB CONC   DL UPR
  2755  LOAD Z  103 105         -500                           GLOB CONC   DL UPR
  2756  LOAD Z  104 106   1440  -500                           GLOB CONC   DL UPR
  2757  LOAD Z  101 102         -042          -042             GLOB UNIF   LL UPR
  2758  LOAD Z  102 103         -042          -042             GLOB UNIF   LL UPR
  2759  LOAD Z  103 105         -042          -042             GLOB UNIF   LL UPR
  2760  LOAD Z  105 106         -042          -042             GLOB UNIF   LL UPR
  2761  LOAD Z  101 104         -042          -042             GLOB UNIF   LL UPR
  2762  LOAD Z  104 106         -042          -042             GLOB UNIF   LL UPR
  2763  LOAD Z  201 202         -063          -063             GLOB UNIF   LL EQM
  2764  LOAD Z  202 203         -063          -063             GLOB UNIF   LL EQM
  2765  LOAD Z  203 205         -160          -160             GLOB UNIF   LL EQM
  2766  LOAD Z  205 206         -160          -160             GLOB UNIF   LL EQM
  2767  LOAD Z  201 204         -063          -063             GLOB UNIF   LL EQM
  2768  LOAD Z  204 206         -063          -063             GLOB UNIF   LL EQM
  2769  LOAD Z  601 611    300 -1100                           GLOB CONC   BOAT LOG
  2770  LOAD Z  603 613    300 -1100                           GLOB CONC   BOAT LOG
  2771  LOAD Z  513 651         -120                           GLOB CONC   BOAT BUM
  2772  LOAD Z  514 653         -120                           GLOB UNIF   BOAT BUM
  2773  LOCOMB
  2774  LOCOMB    6 100.   1 100.   5
  2775  LOCOMB    7 100.   2 100.   5
  2776  LOCOMB    8 100.   3 100.   5
  2777  LOCOMB    9 100.   4 100.   5
  2778  END
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S T R A N - P-Y D A T A

PILE JOINT NO. 1010

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.581	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.000	2.789	3.444	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.180	.310	.450	.700	1.580	20.000
DEPTH (FT) =	33.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.078	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.073	.140	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.689	5.988	7.706	12.329	12.329
DEFL (IN)	0.000	.025	.098	.250	.410	.700	1.580	20.000

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.638	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.638	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

S T R A N - P-Y D A T A

PILE JOINT NO. 1011

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.661	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.002	2.789	3.444	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.160	.310	.450	.700	1.580	20.000
DEPTH (FT) =	35.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.076	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.073	.140	.290	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.689	5.968	7.706	12.329	12.329
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.155	.169	.188	.237	.237
DEFL (IN)	0.000	.049	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.204	1.681	2.347	2.896	3.644	5.830	5.830
DEFL (IN)	0.000	.069	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	33.00							
FORCE (K/IN)	0.000	2.789	3.444	4.456	5.337	6.572	10.515	10.515
DEFL (IN)	0.000	.120	.180	.310	.450	.700	1.580	20.000
DEPTH (FT) =	33.08							
FORCE (K/IN)	0.000	1.354	1.838	2.494	3.384	4.594	4.594	
DEFL (IN)	0.000	.064	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	2.321	3.150	4.275	5.802	7.875	7.875	
DEFL (IN)	0.000	.054	.160	.400	1.010	2.520	20.000	
DEPTH (FT) =	45.08							
FORCE (K/IN)	0.000	2.532	3.433	4.719	5.791	7.259	11.615	11.615
DEFL (IN)	0.000	.070	.150	.290	.440	.700	1.580	20.000
DEPTH (FT) =	65.00							
FORCE (K/IN)	0.000	3.542	4.840	6.680	8.210	10.303	16.485	16.485
DEFL (IN)	0.000	.075	.150	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.00							
FORCE (K/IN)	0.000	4.756	6.551	9.079	11.176	14.040	22.464	22.464
DEFL (IN)	0.000	.073	.140	.280	.440	.700	1.580	20.000
DEPTH (FT) =	90.08							
FORCE (K/IN)	0.000	1.499	3.003	4.689	5.988	7.706	12.329	12.329
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

DEPTH (FT) =	95.00							
FORCE (K/IN)	0.000	1.581	3.167	4.945	6.314	8.126	13.001	13.001
DEFL (IN)	0.000	.023	.098	.250	.410	.700	1.580	20.000
DEPTH (FT) =	114.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	1.838	3.728	5.833	7.452	9.594	15.350	15.350
DEFL (IN)	0.000	.022	.097	.250	.410	.700	1.580	20.000

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

LOAD CONDITION NO. 6
CYCLE NO. 1

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-2.8629	-.50007	-.00689		
1010	2	-21.0041	-.04869	-.05058		
1010	3	-179.2308	-.02472	-.02472		
1010	4	-2100.4077	.00048	.00014		
1010	5	266.2944	-.00500	-.00002		
1010	6	5760.3345	.00340	.00340		
1011	1	-3.0628	.02210	.10380		
1011	2	-441.4165	-.61251	-2.86313		
1011	3	1760.1722	.25259	.25259		
1011	4	-44141.6494	.00608	.00796		
1011	5	306.2774	.00022	.00029		
1011	6	4795.6387	.00432	.00432		
1012	1	-1.9325	.03512	.18149		
1012	2	430.5742	.63695	3.27949		
1012	3	-2290.4773	-.32500	-.32500		
1012	4	43057.4168	-.00633	-.00957		
1012	5	193.2478	.00035	.00053		
1012	6	4710.6695	.00424	.00424		

LOAD CONDITION NO. 6
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-19.8223	-.42145	-.26179		
1010	2	-25.3295	-.09157	-.33453	.0065	.0153
1010	3	-173.9635	-.02468	-.02468		
1010	4	-1210.2751	.00059	.00184		
1010	5	-14104.6169	-.00279	-.00144	.0005	.2035
1010	6	2928.3498	.00264	.00264		
1011	1	.7769	.10288	.16838		
1011	2	-434.3168	-2.30248	-2.41354	.1146	.0497
1011	3	1776.1283	.25202	.25202		
1011	4	-51660.2047	.00590	.00592		
1011	5	2566.6651	.00056	.00041	.0000	.0012
1011	6	4094.4265	.00369	.00369		
1012	1	1.8670	.12596	.19849		
1012	2	414.9961	2.37378	2.51579	.1465	.0616
1012	3	-2264.5670	-.32416	-.32416		
1012	4	51768.6422	-.00621	-.00634		
1012	5	2266.3730	.00065	.00050	.0001	.0180
1012	6	4029.0708	.00363	.00363		

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

LOAD CONDITION NO. 6
CYCLE NO. 3

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-19.2091	-.50782	-.23613		
1010	2	-25.0166	-.10634	-.30752	.1311	.3382
1010	3	-172.9258	-.02454	-.02454		
1010	4	-1696.7776	.00042	.00169		
1010	5	-13447.3670	-.00299	-.00130	.0009	.4178
1010	6	3024.5785	.00272	.00272		
1011	1	1.1203	.10302	.15521		
1011	2	-434.2205	-2.41042	-2.40462	.0030	.0012
1011	3	1777.2096	.25217	.25217		
1011	4	-51863.9189	.00587	.00587		
1011	5	2612.1469	.00051	.00038	.0000	.0022
1011	6	4200.9237	.00378	.00378		
1012	1	2.1739	.12508	.17865		
1012	2	414.8989	2.49657	2.48277	.0105	.0042
1012	3	-2286.7381	-.32447	-.32447		
1012	4	52822.3986	-.00621	-.00618		
1012	5	2554.5690	.00058	.00044	.0000	.0072
1012	6	4134.0221	.00372	.00372		

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 5/7

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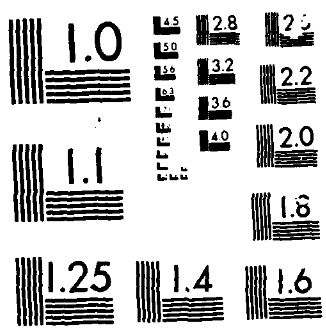

MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

STRAN-NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 6
CYCLE NO. 4

PAGE 4
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MAL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-19.2720	-.50268	-.23926		
1010	2	-24.9274	-.10514	-.30948	.1224	.3128
1010	3	-173.0628	-.02456	-.02456		
1010	4	-1654.9136	.00041	.00170		
1010	5	-13509.1337	-.00296	-.00131	.0009	.3962
1010	6	3020.3709	.00272	.00272		
1011	1	1.1296	.10269	.15523		
1011	2	-434.1074	-2.40906	-2.40602	.0002	.0001
1011	3	1776.9111	.25213	.25213		
1011	4	-51421.4076	.00567	.00568		
1011	5	2673.0106	.00051	.00038	.0000	.0001
1011	6	4196.5492	.00378	.00378		
1012	1	2.1060	.12490	.17964		
1012	2	415.0438	2.49395	2.49310	.0025	.0010
1012	3	-2206.3604	-.32442	-.32442		
1012	4	52278.4129	-.00620	-.00622		
1012	5	2563.3298	.00058	.00045	.0000	.0018
1012	6	4129.7636	.00372	.00372		

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S I R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

LOAD CONDITION NO. 7
CYCLE NO. 1

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-11.4675	-.34598	-.07195		
1010	2	-302.2844	-1.06418	-1.69658		
1010	3	942.0193	.13366	.13365		
1010	4	-27406.8217	.00368	.00573		
1010	5	-9663.0953	-.00207	-.00022		
1010	6	-163.9367	-.00015	-.00015		
1011	1	9.7478	.36397	.04630		
1011	2	-304.6294	-1.63996	-1.44681		
1011	3	1051.2673	.14917	.14917		
1011	4	-37833.2032	.00366	.00343		
1011	5	8413.7550	.00101	.00011		
1011	6	1019.6908	.00092	.00092		
1012	1	.7577	.02605	.03861		
1012	2	448.7090	2.72336	2.89030		
1012	3	-2649.4713	-.37594	-.37594		
1012	4	55829.2218	-.00664	-.00734		
1012	5	450.6086	.00012	.00013		
1012	6	209.9196	.00019	.00019		

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

LOAD CONDITION NO. 7
CYCLE NO. 2

PAGE 6
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-10.2825	-.42081	-.05330		
1010	2	-286.4375	-1.40030	-1.48468	.0235	.0161
1010	3	951.5556	.13502	.13502		
1010	4	-32099.4692	.00367	.00394		
1010	5	-6544.0095	-.00228	-.00014	.0005	.1384
1010	6	-61.5492	-.00006	-.00006		
1011	1	10.6725	.37879	.05393		
1011	2	-293.7046	-1.46275	-1.48404	.0260	.0175
1011	3	1044.8472	.14826	.14826		
1011	4	-34044.4334	.00366	.00381		
1011	5	9016.2999	.00184	.00014	.0003	.0736
1011	6	1136.3542	.00102	.00102		
1012	1	-.1189	-.00010	.00021		
1012	2	460.4691	2.86911	2.86769	.0012	.0004
1012	3	-2658.9916	-.37729	-.37729		
1012	4	59644.9980	-.00706	-.00699		
1012	5	30.8560	.00000	.00000	.0001	.0095
1012	6	295.3496	.00027	.00027		

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

LOAD CONDITION NO. 8
CYCLE NO. 1

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	15.8850	.57029	.09945		
1010	2	37.1916	.16766	.23285		
1010	3	-203.1363	-.04017	-.04017		
1010	4	4014.9385	-.00054	-.00111		
1010	5	11112.3997	.00306	.00047		
1010	6	-2169.1207	-.00195	-.00195		
1011	1	-2.3043	-.12813	-.25690		
1011	2	437.0496	2.22875	3.03419		
1011	3	-2246.8967	-.31882	-.31882		
1011	4	49019.3536	-.00572	-.00834		
1011	5	-3405.8543	-.00064	-.00071		
1011	6	-3516.1099	-.00299	-.00299		
1012	1	-2.5187	-.14424	-.16157		
1012	2	-396.0593	-2.47923	-1.94444		
1012	3	1859.0089	.26378	.26378		
1012	4	-51024.6793	.00613	.00433		
1012	5	-2768.1671	-.00066	-.00036		
1012	6	-3233.2106	-.00291	-.00291		

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

LOAD CONDITION NO. 8
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	17.9688	.39461	.49465		
1010	2	-.8659	.02604	-.02378	.0998	.2522
1010	3	-267.4230	-.03795	-.03795		
1010	4	-1291.5230	-.00019	.00014		
1010	5	13226.5673	.00261	.00294	.0003	.1242
1010	6	-1971.5867	-.00178	-.00178		
1011	1	-1.4164	-.13722	-.21614		
1011	2	395.0941	2.23254	2.31640	.0897	.0401
1011	3	-2240.5202	-.31791	-.31791		
1011	4	49715.6534	-.00573	-.00579		
1011	5	-2674.1169	-.00072	-.00054	.0000	.0057
1011	6	-3102.5158	-.00279	-.00279		
1012	1	-3.0355	-.14273	-.23886		
1012	2	-437.1490	-2.28541	-2.55955	.2808	.1226
1012	3	1857.1100	.26351	.26351		
1012	4	-49077.1907	.00609	.00662		
1012	5	-3006.4095	-.00076	-.00062	.0005	.0834
1012	6	-3037.5441	-.00274	-.00274		

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	17.4794	.47504	.41773		
1010	2	7.3109	.05302	.17472	.0252	.0556
1010	3	-269.8820	-.03829	-.03829		
1010	4	-258.0022	-.00026	-.00103		
1010	5	12565.9695	.00262	.00247	.0002	.0566
1010	6	-2063.6488	-.00166	-.00166		
1011	1	-1.8917	-.15948	-.20476		
1011	2	493.2096	2.35290	2.36156	.0134	.0057
1011	3	-2244.9640	-.31854	-.31854		
1011	4	51260.9517	-.00580	-.00584		
1011	5	-3070.3790	-.00065	-.00051	.0000	.0036
1011	6	-3207.0196	-.00289	-.00289		
1012	1	-3.2853	-.14679	-.20839		
1012	2	-428.0020	-2.44125	-2.39318	.0434	.0181
1012	3	1859.7717	.26369	.26369		
1012	4	-50161.8003	.00619	.00576		
1012	5	-3259.1052	-.00070	-.000_2	.0002	.0258
1012	6	-3139.7341	-.00283	-.00283		

LOAD CONDITION NO. 9
CYCLE NO. 1

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	10.5676	.32615	.07110		
1010	2	268.5404	1.03155	1.94129		
1010	3	-1410.7135	-.20017	-.20017		
1010	4	26216.0067	-.00359	-.00600		
1010	5	9002.0765	.00196	.00022		
1010	6	761.6070	.00069	.00069		
1011	1	-10.2147	-.43473	-.04661		
1011	2	277.8041	1.56268	1.27302		
1011	3	-1449.5211	-.20553	-.20553		
1011	4	36823.0606	-.00371	-.00268		
1011	5	-8370.7768	-.00200	-.00011		
1011	6	-383.7084	-.00035	-.00035		
1012	1	-1.5312	-.04128	-.05816		
1012	2	-465.0232	-2.67021	-2.68748		
1012	3	2179.0096	.30918	.30918		
1012	4	-53994.0826	.00672	.00658		
1012	5	-746.8440	-.00019	-.00014		
1012	6	419.3464	.00038	.00038		

S T R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

LOAD CONDITION NO. 9
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	8.9914	.39852	.04849		
1010	2	276.2292	1.58304	1.48955	.0510	.0355
1010	3	-1422.3524	-.20182	-.20182		
1010	4	31850.7353	-.00365	-.00399		
1010	5	7637.7477	.00214	.00013	.0004	.1030
1010	6	693.6616	.00762	.00062		
1011	1	-10.3964	-.41111	-.05513		
1011	2	271.4022	1.28770	1.43929	.0886	.0656
1011	3	-1438.1467	-.20406	-.20406		
1011	4	31644.3321	-.00344	-.00383		
1011	5	-6250.0516	-.00220	-.00015	.0003	.0669
1011	6	-459.3766	-.00041	-.00041		
1012	1	-.4973	-.01309	-.01855		
1012	2	-474.4996	-2.73828	-2.75949	.0212	.0078
1012	3	2164.9740	.31003	.31003		
1012	4	-55219.1788	.00679	.00684		
1012	5	-235.4907	-.00006	-.00005	.0000	.0069
1012	6	377.0156	.00034	.00034		

STRAN-NONLINEAR SUPPORT ITERATIONS

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	10.1158	.40107	.05339		
1010	2	265.1717	1.41441	1.39946	.0697	.0498
1010	3	-1419.1383	-.20136	-.20136		
1010	4	30745.3164	-.00375	-.00375		
1010	5	8680.0436	.00193	.00014	.0005	.1267
1010	6	710.7061	.00064	.00064		
1011	1	-11.3123	-.42324	-.05669		
1011	2	259.8932	1.32745	1.30252	.0895	.0687
1011	3	-1436.6194	-.20384	-.20384		
1011	4	31412.8993	-.00341	-.00335		
1011	5	-9066.6090	-.00204	-.00015	.0006	.1850
1011	6	-448.7736	-.00040	-.00040		
1012	1	-.5385	-.01427	-.02027		
1012	2	-464.2714	-2.79765	-2.81593	.0181	.0065
1012	3	2185.6243	.31012	.31012		
1012	4	-56865.7628	.00688	.00691		
1012	5	-255.9601	-.00006	-.00005	.0000	.0045
1012	6	369.6958	.00035	.00035		

STRAN-NONLINEAR SUPPORT ITERATIONS

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CYCLE NO. 4 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	10.1516	.59734	.05433		
1010	2	268.6526	1.41283	1.43778	.0288	.0200
1010	3	-1419.5675	-.20143	-.20143		
1010	4	30912.4969	-.00377	-.00387		
1010	5	8715.7297	.00193	.00015	.0004	.0918
1010	6	705.8213	.00064	.00064		
1011	1	-11.4204	-.41610	-.05864		
1011	2	263.5023	1.32187	1.35296	.0316	.0233
1011	3	-1436.6553	-.20385	-.20385		
1011	4	31351.5240	-.00340	-.00354		
1011	5	-9193.0352	-.00202	-.00015	.0004	.1166
1011	6	-453.4543	-.00041	-.00041		
1012	1	-.5241	-.01391	-.01957		
1012	2	-480.7751	-2.79403	-2.78448	.0095	.0034
1012	3	2164.3445	.30994	.30994		
1012	4	-56521.1877	.00686	.00683		
1012	5	-246.6335	-.00006	-.00005	.0000	.0035
1012	6	385.2077	.00035	.00035		

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 6
PILE JOINT NO. 1010

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DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.3912	6953.52	68.94	.0003	-2.45	137.88	-.0000	.00
2.03	.3401	7729.00	70.97	.0002	11.19	139.91	-.0000	.00
4.06	.2917	8504.02	72.99	.0002	18.49	141.93	-.0000	-.00
6.08	.2465	9278.53	75.02	.0001	21.15	143.96	-.0000	-.00
8.11	.2042	10052.47	77.05	.0001	20.68	145.99	-.0000	-.00
10.14	.1656	10741.45	79.08	.0000	18.33	148.02	-.0000	-.00
12.17	.1307	11253.65	81.10	.0000	15.06	150.04	-.0000	-.00
14.19	.0995	11442.56	83.13	-.0000	11.54	152.07	.0000	-.00
16.22	.0729	11308.83	85.16	-.0000	8.24	154.10	.0000	-.00
18.25	.0500	10797.57	87.19	-.0000	5.41	156.13	.0000	-.00
20.28	.0308	9932.81	89.22	-.0000	3.14	158.15	.0000	-.00
22.30	.0156	8802.29	91.24	-.0000	1.47	160.18	.0000	-.00
24.33	.0044	7523.55	93.27	-.0000	.32	162.21	.0000	-.00
26.36	-.0034	6149.17	95.30	-.0000	-.39	164.24	.0000	.00
28.39	-.0084	4912.17	97.33	-.0000	-.77	166.26	.0000	.00
30.41	-.0112	3723.25	99.35	-.0000	-.90	168.29	.0000	.00
32.44	-.0122	2672.35	101.38	-.0000	-.88	170.32	.0000	.00
34.47	-.0121	1790.93	103.41	-.0000	-.77	172.35	.0000	.00
36.50	-.0111	1047.79	105.44	-.0000	-.62	174.38	-.0000	.00
38.52	-.0096	469.49	107.46	.0000	-.46	176.40	-.0000	.00
40.55	-.0080	41.34	109.49	.0000	-.31	178.43	-.0000	.00
42.58	-.0063	-251.70	111.52	.0000	-.19	180.46	-.0000	.00
44.61	-.0047	-428.39	113.55	.0000	-.10	182.49	-.0000	.00
46.64	-.0034	-510.64	115.57	.0000	-.04	184.51	-.0000	.00
48.66	-.0022	-524.61	117.60	.0000	.00	186.54	-.0000	-.00
50.69	-.0013	-494.03	119.63	.0000	.03	188.57	-.0000	-.00
52.72	-.0006	-435.86	121.66	.0000	.04	190.60	-.0000	-.00
54.75	-.0002	-363.70	123.68	.0000	.04	192.62	-.0000	-.00
56.77	.0002	-287.87	125.71	.0000	.03	194.65	-.0000	-.00
58.80	.0003	-215.59	127.74	.0000	.03	196.68	.0000	-.00
60.83	.0004	-151.46	129.77	-.0000	.02	198.71	.0000	-.00
62.86	.0004	-97.87	131.80	-.0000	.01	200.73	.0000	-.00
64.88	.0004	-55.58	133.82	-.0000	.01	202.76	.0000	0.00
66.91	.0003	-24.17	135.85	-.0000	.00			

LOAD CONDITION NO. 6
PILE JOINT NO. 1011

S T R A N - P I L E   A N A L Y S I S

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.4110	-51541.79	68.94	.0012	-564.99	137.88	-.0000	.06
2.03	2.2566	-41270.31	70.97	.0014	-368.46	139.91	-.0000	.04
4.05	2.0918	-31024.54	72.99	.0013	-212.48	141.93	-.0000	.02
6.08	1.9142	-20798.09	75.02	.0011	-95.48	143.96	-.0000	.01
8.11	1.7293	-10564.59	77.05	.0009	-15.37	145.99	-.0000	.00
10.14	1.5402	-514.00	79.08	.0007	33.83	148.02	-.0000	-.00
12.17	1.3513	9514.30	81.10	.0005	60.72	150.04	-.0000	-.00
14.19	1.1655	17696.00	83.13	.0003	70.69	152.07	-.0000	-.00
16.22	.9460	25275.03	85.16	.0002	69.36	154.10	-.0000	-.00
18.25	.8155	31543.80	87.19	.0001	61.31	156.13	-.0000	-.00
20.28	.6556	36351.54	89.22	.0000	50.04	158.15	-.0000	-.00
22.30	.5103	39604.09	91.24	-.0000	38.02	160.18	.0000	-.00
24.33	.3851	41265.70	93.27	-.0000	26.82	162.21	.0000	-.00
26.36	.2745	41347.80	95.30	-.0001	17.31	164.24	.0000	-.00
28.39	.1849	39563.87	97.33	-.0000	9.82	166.26	.0000	-.00
30.41	.1154	36924.47	99.35	-.0000	4.34	168.29	.0000	-.00
32.44	.0586	32718.21	101.38	-.0000	.65	170.32	.0000	.00
34.47	.0187	27772.20	103.41	-.0000	-1.57	172.35	.0000	.00
36.50	-.0085	22502.55	105.44	-.0000	-2.69	174.38	.0000	.00
38.52	-.0255	17571.15	107.46	-.0000	-3.02	176.40	.0000	.00
40.55	-.0345	12949.76	109.49	-.0000	-2.86	178.43	.0000	.00
42.58	-.0376	8925.70	111.52	-.0000	-2.44	180.46	.0000	.00
44.61	-.0367	5604.65	113.55	-.0000	-1.91	182.49	-.0000	.00
46.64	-.0332	3021.03	115.57	.0000	-1.38	184.51	-.0000	.00
48.66	-.0283	1114.95	117.60	.0000	-.91	186.54	-.0000	.00
50.69	-.0229	-221.42	119.63	.0000	-.54	188.57	-.0000	.00
52.72	-.0177	-1077.21	121.66	.0000	-.26	190.60	-.0000	.00
54.75	-.0127	-1548.35	123.68	.0000	-.07	192.62	-.0000	.00
56.77	[illegible]	-1728.61	125.71	.0000	.04	194.65	-.0000	-.00
58.80	-.0055	-1703.25	127.74	.0000	.10	196.68	-.0000	-.00
60.83	-.0050	-1545.31	129.77	.0000	.12	198.71	-.0000	-.00
62.85	-.0011	-1313.84	131.80	.0000	.12	200.73	.0000	-.00
64.88	.0001	-1053.85	133.82	.0000	.10	202.76	.0000	0.00
66.91	.0008	-797.32	135.85	.0000	.08			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 6
PILE JOINT NO. 1012

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.4996	-51959.01	68.94	.0014	-575.36	137.88	-.0000	.06
2.03	2.3307	-41514.86	70.97	.0015	-369.26	139.91	-.0000	.04
4.06	2.1632	-31037.43	72.99	.0014	-205.51	141.93	-.0000	.02
6.09	1.9769	-20535.12	75.02	.0012	-65.82	143.96	-.0000	.01
8.11	1.7854	-10016.36	77.05	.0010	-4.36	145.99	-.0000	.00
10.14	1.5863	370.12	79.08	.0007	45.55	148.02	-.0000	-.00
12.17	1.3595	10214.02	81.10	.0005	71.14	150.04	-.0000	-.01
14.19	1.1902	19175.82	83.13	.0003	79.28	152.07	-.0000	-.01
16.22	1.0096	26997.36	85.16	.0002	75.96	154.10	-.0000	-.01
18.25	.8324	33450.80	87.19	.0001	66.02	156.13	-.0000	-.00
20.28	.6670	38360.51	89.22	.0000	53.10	158.15	-.0000	-.00
22.30	.5168	41661.01	91.24	-.0000	39.76	160.18	.0000	-.00
24.33	.3856	43305.72	93.27	-.0001	27.57	162.21	.0000	-.00
26.36	.2740	43267.22	95.30	-.0001	17.38	164.24	.0000	-.00
28.39	.1821	41591.29	97.33	-.0001	9.47	166.26	.0000	-.00
30.41	.1091	38364.45	99.35	-.0000	3.77	168.29	.0000	-.00
32.44	.0535	33867.94	101.38	-.0000	.01	170.32	.0000	.00
34.47	.0135	28655.56	103.41	-.0000	-2.19	172.35	.0000	.00
36.50	-.0136	23216.63	105.44	-.0000	-3.22	174.38	.0000	.00
38.52	-.0302	17944.46	107.46	-.0000	-3.45	176.40	.0000	.00
40.55	-.0365	13121.35	109.49	-.0000	-3.16	178.43	.0000	.00
42.58	-.0409	8939.64	111.52	-.0000	-2.65	180.46	.0000	.00
44.61	-.0393	5505.66	113.55	.0000	-2.03	182.49	-.0000	.00
46.64	-.0351	2851.90	115.57	.0000	-1.44	184.51	-.0000	.00
48.66	-.0297	908.10	117.60	.0000	-.93	186.54	-.0000	.00
50.69	-.0238	-439.47	119.63	.0000	-.53	188.57	-.0000	.00
52.72	-.0181	-1287.38	121.66	.0000	-.24	190.60	-.0000	.00
54.75	-.0131	-1757.75	123.68	.0000	-.04	192.62	-.0000	.00
56.77	-.0089	-1889.69	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0053	-1832.90	127.74	.0000	.13	196.68	-.0000	-.00
60.83	-.0027	-1643.76	129.77	.0000	.14	198.71	-.0000	-.00
62.85	-.0009	-1383.69	131.80	.0000	.14	200.73	.0000	-.00
64.88	.0003	-1099.13	133.82	.0000	.11	202.76	.0000	0.00
66.91	.0011	-822.74	135.85	-.0000	.09			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 7 PAGE 4
PILE JOINT NO. 1010 DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4556	-31772.26	68.94	.0009	-284.73	137.88	-.0000	.03
2.03	1.3841	-24894.95	70.97	.0009	-171.02	139.91	-.0000	.02
4.06	1.2739	-18025.94	72.99	.0008	-84.79	141.93	-.0000	.01
6.08	1.1573	-11162.95	75.02	.0007	-23.82	143.96	-.0000	.00
8.11	1.0368	-4303.68	77.05	.0005	15.65	145.99	-.0000	.00
10.14	.9149	2431.76	79.08	.0004	38.02	148.02	-.0000	-.00
12.17	.7737	8764.74	81.10	.0003	47.69	150.04	-.0000	-.00
14.19	.6756	14459.15	83.13	.0002	48.63	152.07	-.0000	-.00
16.22	.5526	19321.56	85.16	.0001	44.17	154.10	-.0000	-.00
18.25	.4564	23192.67	87.19	.0000	36.86	156.13	-.0000	-.00
20.28	.3503	25950.49	89.22	-.0000	28.64	158.15	.0000	-.00
22.30	.2704	27555.40	91.24	-.0000	20.70	160.18	.0000	-.00
24.33	.1951	27932.84	93.27	-.0000	13.78	162.21	.0000	-.00
26.36	.1325	27191.82	95.30	-.0000	8.20	164.24	.0000	-.00
28.39	.0823	25543.73	97.33	-.0000	4.02	166.26	.0000	-.00
30.41	.0436	22594.21	99.35	-.0000	1.12	168.29	.0000	-.00
32.44	.0151	19314.53	101.38	-.0000	-.70	170.32	.0000	.00
34.47	-.0045	15845.19	103.41	-.0000	-1.68	172.35	.0000	.00
36.50	-.0170	12442.01	105.44	-.0000	-2.06	174.38	.0000	.00
38.52	-.0238	9282.02	107.46	-.0000	-2.04	176.40	.0000	.00
40.55	-.0263	6494.55	109.49	-.0000	-1.80	178.43	.0000	.00
42.58	-.0260	4157.59	111.52	-.0000	-1.44	180.46	-.0000	.00
44.61	-.0237	2302.44	113.55	.0000	-1.07	182.49	-.0000	.00
46.64	-.0204	921.71	115.57	.0000	-.73	184.51	-.0000	.00
48.66	-.0166	-43.97	117.60	.0000	-.45	186.54	-.0000	.00
50.69	-.0129	-675.18	119.63	.0000	-.24	188.57	-.0000	.00
52.72	-.0095	-1035.47	121.66	.0000	-.09	190.60	-.0000	.00
54.75	-.0066	-1188.10	123.68	.0000	.01	192.62	-.0000	-.00
56.77	-.0042	-1191.47	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0023	-1096.32	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0010	-944.26	129.77	.0000	.08	198.71	-.0000	-.00
62.86	-.0001	-767.56	131.80	.0000	.08	200.73	.0000	-.00
64.89	.0005	-569.49	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-425.54	135.85	-.0000	.05			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 7
PILE JOINT NO. 1011

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4850	-33594.57	68.94	.0009	-292.54	137.88	-.0000	.03
2.03	1.3663	-26646.71	70.97	.0009	-177.26	139.91	-.0000	.02
4.06	1.2782	-19606.62	72.99	.0008	-89.47	141.93	-.0000	.01
6.08	1.1633	-12577.71	75.02	.0007	-27.09	143.96	-.0000	.00
8.11	1.0439	-5551.40	77.05	.0005	13.55	145.99	-.0000	.00
10.14	.9225	1350.23	79.08	.0004	36.85	148.02	-.0000	-.00
12.17	.8014	7847.47	81.10	.0003	47.19	150.04	-.0000	-.00
14.19	.6857	13702.95	83.13	.0002	48.59	152.07	-.0000	-.00
16.22	.5704	18721.43	85.16	.0001	44.41	154.10	-.0000	-.00
18.25	.4557	22742.42	87.19	.0000	37.26	156.13	-.0000	-.00
20.28	.3650	25643.44	89.22	-.0000	29.07	158.15	.0000	-.00
22.30	.2704	27360.62	91.24	-.0000	21.11	160.18	.0000	-.00
24.33	.2002	27677.29	93.27	-.0000	14.13	162.21	.0000	-.00
26.36	.1368	27242.35	95.30	-.0000	8.48	164.24	.0000	-.00
28.39	.0857	25462.53	97.33	-.0000	4.23	166.26	.0000	-.00
30.41	.0402	22795.65	99.35	-.0000	1.27	168.29	.0000	-.00
32.44	.0171	19547.30	101.38	-.0000	-.61	170.32	.0000	.00
34.47	-.0032	16085.09	103.41	-.0000	-1.63	172.35	.0000	.00
36.50	-.0101	12672.20	105.44	-.0000	-2.04	174.38	.0000	.00
38.52	-.0233	9491.17	107.46	-.0000	-2.05	176.40	.0000	.00
40.55	-.0261	6675.46	109.49	-.0000	-1.81	178.43	.0000	.00
42.58	-.0259	4306.97	111.52	-.0000	-1.46	180.46	-.0000	.00
44.61	-.0238	2420.12	113.55	.0000	-1.09	182.49	-.0000	.00
46.64	-.0206	1009.90	115.57	.0000	-.75	184.51	-.0000	.00
48.66	-.0169	18.35	117.60	.0000	-.46	186.54	-.0000	.00
50.69	-.0131	-634.54	119.63	.0000	-.25	188.57	-.0000	.00
52.72	-.0097	-1012.12	121.66	.0000	-.10	190.60	-.0000	.00
54.75	-.0068	-1177.81	123.68	.0000	.00	192.62	-.0000	-.00
56.77	-.0043	-1190.45	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0025	-1101.34	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0011	-952.75	129.77	.0000	.08	198.71	-.0000	-.00
62.86	-.0001	-777.51	131.80	.0000	.08	200.73	.0000	-.00
64.88	.0005	-599.50	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-434.71	135.85	-.0000	.05			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 7
PILE JOINT NO. 1012

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.6579	-59645.00	68.94	.0015	-695.87	137.88	-.0000	.08
2.03	2.6473	-47960.92	70.97	.0017	-453.90	139.91	-.0000	.05
4.06	2.4899	-36232.14	72.99	.0016	-261.43	141.93	-.0000	.03
6.08	2.2798	-24469.59	75.02	.0014	-118.07	143.96	-.0000	.01
8.11	2.0611	-12684.23	77.05	.0011	-18.96	145.99	-.0000	.00
10.14	1.8379	-1027.36	79.08	.0009	43.12	148.02	-.0000	-.00
12.17	1.6144	10068.18	81.10	.0006	76.34	150.04	-.0000	-.01
14.19	1.3945	20250.06	83.13	.0004	88.54	152.07	-.0000	-.01
16.22	1.1816	29150.89	85.16	.0002	86.70	154.10	-.0000	-.01
18.25	.9790	36553.24	87.19	.0001	76.52	156.13	-.0000	-.01
20.28	.7892	42269.66	89.22	.0000	62.36	158.15	-.0000	-.00
22.30	.6161	46246.30	91.24	-.0000	47.27	160.18	.0000	-.00
24.33	.4640	48372.16	93.27	-.0001	33.24	162.21	.0000	-.00
26.36	.3359	48569.32	95.30	-.0001	21.34	164.24	.0000	-.00
28.39	.2260	47157.07	97.33	-.0001	11.99	166.26	.0000	-.00
30.41	.1395	43944.96	99.35	-.0001	5.17	168.29	.0000	-.00
32.44	.0730	39216.08	101.38	-.0000	.59	170.32	.0000	.00
34.47	.0243	33490.36	103.41	-.0000	-2.16	172.35	.0000	.00
36.50	-.0091	27404.41	105.44	-.0000	-3.50	174.38	.0000	.00
38.52	-.0301	21413.19	107.46	-.0000	-3.88	176.40	.0000	.00
40.55	-.0414	15863.04	109.49	-.0000	-3.65	178.43	.0000	.00
42.58	-.0454	10998.84	111.52	-.0000	-3.09	180.46	.0000	.00
44.61	-.0445	6956.89	113.55	.0000	-2.40	182.49	-.0000	.00
46.64	-.0403	3796.62	115.57	.0000	-1.72	184.51	-.0000	.00
48.66	-.0345	1452.19	117.60	.0000	-1.13	186.54	-.0000	.00
50.69	-.0280	-201.22	119.63	.0000	-.66	188.57	-.0000	.00
52.72	-.0215	-1267.91	121.66	.0000	-.31	190.60	-.0000	.00
54.75	-.0157	-1862.31	123.68	.0000	-.08	192.62	-.0000	.00
56.77	-.0107	-2097.52	125.71	.0000	.06	194.65	-.0000	-.00
58.80	-.0067	-2077.31	127.74	.0000	.14	196.68	-.0000	-.00
60.83	-.0035	-1891.16	129.77	.0000	.16	198.71	-.0000	-.00
62.86	-.0013	-1611.88	131.80	.0000	.16	200.73	.0000	-.00
64.89	.0002	-1295.20	133.82	.0000	.13	202.76	.0000	.00
66.91	.0011	-981.20	135.85	.0000	.10			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 8
PILE JOINT NO. 1010

PAGE 7
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.4528	11892.36	68.94	.0003	3.43	137.88	-.0000	.00
2.03	.3897	12170.39	70.97	.0002	17.37	139.91	-.0000	-.00
4.06	.3309	12647.28	72.99	.0002	24.26	141.93	-.0000	-.00
6.08	.2764	13122.97	75.02	.0001	26.11	143.96	-.0000	-.00
8.11	.2265	13597.42	77.05	.0001	24.66	145.99	-.0000	-.00
10.14	.1815	13964.12	79.08	.0000	21.32	148.02	-.0000	-.00
12.17	.1413	14166.39	81.10	.0000	17.14	150.04	-.0000	-.00
14.19	.1061	14055.73	83.13	-.0000	12.87	152.07	.0000	-.00
16.22	.0759	13589.43	85.16	-.0000	8.98	154.10	.0000	-.00
18.25	.0503	12738.41	87.19	-.0000	5.71	156.13	.0000	-.00
20.28	.0293	11531.09	89.22	-.0000	3.16	158.15	.0000	-.00
22.30	.0128	10070.37	91.24	-.0000	1.31	160.18	.0000	-.00
24.33	.0009	8486.96	93.27	-.0000	.07	162.21	.0000	.00
26.36	-.0071	6892.89	95.30	-.0000	-.66	164.24	.0000	.00
28.39	-.0120	5376.26	97.33	-.0000	-1.02	166.26	.0000	.00
30.41	-.0145	3999.50	99.35	-.0000	-1.12	168.29	.0000	.00
32.44	-.0151	2801.47	101.38	-.0000	-1.05	170.32	.0000	.00
34.47	-.0145	1800.60	103.41	-.0000	-.89	172.35	.0000	.00
36.50	-.0130	989.75	105.44	.0000	-.70	174.38	-.0000	.00
38.52	-.0111	361.24	107.46	.0000	-.51	176.40	-.0000	.00
40.55	-.0091	-94.90	109.49	.0000	-.34	178.43	-.0000	.00
42.58	-.0070	-397.17	111.52	.0000	-.20	180.46	-.0000	.00
44.61	-.0052	-569.47	113.55	.0000	-.10	182.49	-.0000	.00
46.64	-.0036	-638.12	115.57	.0000	-.03	184.51	-.0000	.00
48.66	-.0023	-633.44	117.60	.0000	.02	186.54	-.0000	-.00
50.69	-.0013	-582.36	119.63	.0000	.04	188.57	-.0000	-.00
52.72	-.0005	-503.74	121.66	.0000	.05	190.60	-.0000	-.00
54.75	-.0000	-413.26	123.68	.0000	.05	192.62	-.0000	-.00
56.77	.0003	-321.47	125.71	.0000	.04	194.65	-.0000	-.00
58.80	.0005	-236.19	127.74	.0000	.03	196.68	.0000	-.00
60.83	.0005	-162.02	129.77	-.0000	.02	198.71	.0000	-.00
62.86	.0005	-101.16	131.80	-.0000	.02	200.73	.0000	-.00
64.88	.0005	-54.01	133.82	-.0000	.01	202.76	.0000	-.00
66.91	.0004	-19.69	135.85	-.0000	.00			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 8
PILE JOINT NO. 1011

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.3704	-50804.11	68.94	.0014	-542.43	137.88	-.0000	.06
2.03	2.2169	-40666.06	70.97	.0014	-345.90	139.91	-.0000	.04
4.05	2.0552	-30535.98	72.99	.0013	-191.80	141.93	-.0000	.02
6.08	1.8767	-20361.87	75.02	.0012	-78.75	143.96	-.0000	.01
8.11	1.6951	-10171.74	77.05	.0009	-2.03	145.99	-.0000	.00
10.14	1.5060	-113.92	79.08	.0007	44.76	148.02	-.0000	-.00
12.17	1.3158	9417.15	81.10	.0005	68.54	150.04	-.0000	-.00
14.19	1.1349	18097.19	83.13	.0003	75.86	152.07	-.0000	-.01
16.22	.9573	25665.45	85.16	.0002	72.40	154.10	-.0000	-.01
18.25	.7888	31910.87	87.19	.0001	62.75	156.13	-.0000	-.00
20.28	.6314	36673.65	89.22	.0000	50.35	158.15	.0000	-.00
22.30	.4905	39853.60	91.24	-.0000	37.61	160.18	.0000	-.00
24.33	.3638	41401.17	93.27	-.0000	26.01	162.21	.0000	-.00
26.35	.2579	41335.42	95.30	-.0001	16.33	164.24	.0000	-.00
28.39	.1708	39686.11	97.33	-.0001	8.84	166.26	.0000	-.00
30.41	.1017	36555.40	99.35	-.0000	3.46	168.29	.0000	-.00
32.44	.0493	32213.40	101.38	-.0000	-.06	170.32	.0000	.00
34.47	.0115	27188.27	103.41	-.0000	-2.14	172.35	.0000	.00
36.50	-.0140	21987.50	105.44	-.0000	-3.09	174.38	.0000	.00
38.52	-.0294	16959.87	107.46	-.0000	-3.29	176.40	.0000	.00
40.55	-.0371	12370.73	109.49	-.0000	-3.02	178.43	.0000	.00
42.58	-.0392	8399.69	111.52	-.0000	-2.51	180.46	.0000	.00
44.61	-.0375	5145.62	113.55	.0000	-1.92	182.49	-.0000	.00
46.64	-.0334	2635.40	115.57	.0000	-1.36	184.51	-.0000	.00
48.66	-.0282	802.92	117.60	.0000	-.87	186.54	-.0000	.00
50.69	-.0226	-463.97	119.63	.0000	-.49	188.57	-.0000	.00
52.72	-.0172	-1257.17	121.66	.0000	-.22	190.60	-.0000	.00
54.75	-.0123	-1674.30	123.68	.0000	-.04	192.62	-.0000	.00
56.77	-.0082	-1809.82	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0050	-1749.00	127.74	.0000	.12	196.68	-.0000	-.00
60.83	-.0025	-1564.28	129.77	.0000	.14	198.71	-.0000	-.00
62.85	-.0008	-1313.79	131.80	.0000	.13	200.73	.0000	-.00
64.88	.0004	-1041.36	133.82	.0000	.11	202.76	.0000	.00
66.91	.0010	-777.74	135.85	-.0000	.08			

LOAD CONDITION NO. 8
PILE JOINT NO. 1012

S T R A N - P I L E   A N A L Y S I S

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.4022	-49669.99	68.94	.0012	-554.76	137.88	-.0000	.06
2.03	2.2479	-39595.45	70.97	.0013	-360.59	139.91	-.0000	.04
4.05	2.0797	-29526.72	72.99	.0013	-206.79	141.93	-.0000	.02
6.08	1.9011	-19477.24	75.02	.0011	-92.68	143.96	-.0000	.01
8.11	1.7157	-9440.46	77.05	.0009	-14.11	145.99	-.0000	.00
10.14	1.5270	449.86	79.08	.0007	34.93	148.02	-.0000	-.00
12.17	1.3385	9809.25	81.10	.0005	61.01	150.04	-.0000	-.00
14.19	1.1534	18323.77	83.13	.0003	70.46	152.07	-.0000	-.00
16.22	.9747	25743.37	85.16	.0002	68.84	154.10	-.0000	-.00
18.25	.8050	31862.20	87.19	.0001	60.68	156.13	-.0000	-.00
20.28	.6465	36530.25	89.22	.0000	49.41	158.15	-.0000	-.00
22.30	.5025	39656.16	91.24	-.0000	37.45	160.18	.0000	-.00
24.33	.3765	41203.85	93.27	-.0000	26.35	162.21	.0000	-.00
26.36	.2592	41187.78	95.30	-.0001	16.95	164.24	.0000	-.00
28.39	.1807	39629.20	97.33	-.0000	9.57	166.26	.0000	-.00
30.41	.1102	36621.40	99.35	-.0000	4.18	168.29	.0000	-.00
32.44	.0563	32384.30	101.38	-.0000	.56	170.32	.0000	.00
34.47	.0172	27438.28	103.41	-.0000	-1.61	172.35	.0000	.00
36.50	-.0095	22269.68	105.44	-.0000	-2.69	174.38	.0000	.00
38.52	-.0260	17292.82	107.46	-.0000	-3.01	176.40	.0000	.00
40.55	-.0347	12713.90	109.49	-.0000	-2.84	178.43	.0000	.00
42.58	-.0376	8735.11	111.52	-.0000	-2.41	180.46	.0000	.00
44.61	-.0365	5458.39	113.55	.0000	-1.88	182.49	-.0000	.00
46.64	-.0329	2914.33	115.57	.0000	-1.35	184.51	-.0000	.00
48.66	-.0280	1042.35	117.60	.0000	-.89	186.54	-.0000	.00
50.69	-.0226	-266.07	119.63	.0000	-.52	188.57	-.0000	.00
52.72	-.0173	-1100.11	121.66	.0000	-.25	190.60	-.0000	.00
54.75	-.0126	-1555.32	123.68	.0000	-.07	192.62	-.0000	.00
56.77	-.0086	-1724.71	125.71	.0000	.04	194.65	-.0000	-.00
58.80	-.0053	-1692.70	127.74	.0000	.10	196.68	-.0000	-.00
60.83	-.0029	-1531.39	129.77	.0000	.12	198.71	-.0000	-.00
62.86	-.0011	-1298.97	131.80	.0000	.12	200.73	.0000	-.00
64.88	.0001	-1059.69	133.82	.0000	.10	202.76	.0000	0.00
66.91	.0009	-764.88	135.85	.0000	.06			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 9
PILE JOINT NO. 1010

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.4568	-30561.35	68.94	.0010	-266.25	137.88	-.0000	.03
2.03	1.3591	-23874.48	70.97	.0009	-156.00	139.91	-.0000	.02
4.05	1.2311	-17163.72	72.99	.0008	-73.24	141.93	-.0000	.01
6.08	1.1170	-10480.42	75.02	.0007	-15.45	143.96	-.0000	.00
8.11	.9993	-3771.90	77.05	.0005	21.29	145.99	-.0000	-.00
10.14	.8602	2817.35	79.08	.0004	41.48	148.02	-.0000	-.00
12.17	.7521	9009.14	81.10	.0002	49.48	150.04	-.0000	-.00
14.19	.6472	14567.11	83.13	.0001	49.24	152.07	-.0000	-.00
16.22	.5474	19299.29	85.16	.0001	44.00	154.10	-.0000	-.00
18.25	.4543	23045.38	87.19	.0000	36.26	156.13	-.0000	-.00
20.28	.3745	25682.36	89.22	-.0000	27.81	158.15	.0000	-.00
22.30	.2545	27152.55	91.24	-.0000	19.82	160.18	.0000	-.00
24.33	.1821	27445.07	93.27	-.0000	12.96	162.21	.0000	-.00
26.35	.1221	26806.25	95.30	-.0000	7.50	164.24	.0000	-.00
28.39	.0742	24678.27	97.33	-.0000	3.47	166.26	.0000	-.00
30.41	.0375	21866.02	99.35	-.0000	.71	168.29	.0000	-.00
32.44	.0108	18614.85	101.38	-.0000	-.98	170.32	.0000	.00
34.47	-.0074	15190.33	103.41	-.0000	-1.86	172.35	.0000	.00
36.50	-.0168	11853.80	105.44	-.0000	-2.16	174.38	.0000	.00
38.52	-.0247	8772.85	107.46	-.0000	-2.08	176.40	.0000	.00
40.55	-.0267	6069.76	109.49	-.0000	-1.80	178.43	.0000	.00
42.58	-.0259	3616.50	111.52	-.0000	-1.42	180.46	-.0000	.00
44.61	-.0234	2039.59	113.55	.0000	-1.04	182.49	-.0000	.00
46.64	-.0199	728.18	115.57	.0000	-.70	184.51	-.0000	.00
48.66	-.0161	-178.76	117.60	.0000	-.42	186.54	-.0000	.00
50.69	-.0124	-761.82	119.63	.0000	-.21	188.57	-.0000	.00
52.72	-.0090	-1064.32	121.66	.0000	-.07	190.60	-.0000	.00
54.75	-.0062	-1208.68	123.68	.0000	.02	192.62	-.0000	-.00
56.77	-.0035	-1192.12	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0021	-1083.99	127.74	.0000	.09	196.68	-.0000	-.00
60.83	-.0008	-924.52	129.77	.0000	.09	198.71	-.0000	-.00
62.86	.0001	-744.58	131.80	.0000	.08	200.73	.0000	-.00
64.88	.0006	-566.30	133.82	.0000	.06	202.76	.0000	-.00
66.91	.0009	-404.15	135.85	-.0000	.05			

LOAD CONDITION NO. 9
PILE JOINT NO. 1011

S T R A N - P I L E   A N A L Y S I S

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	1.5542	-30924.06	68.94	.0009	-252.15	137.88	-.0000	.03
2.03	1.2626	-24374.97	70.97	.0009	-147.50	139.91	-.0000	.02
4.06	1.1624	-17813.61	72.99	.0008	-69.00	141.93	-.0000	.01
6.08	1.0559	-11243.27	75.02	.0006	-14.23	143.96	-.0000	.00
8.11	.9455	-4867.27	77.05	.0005	20.55	145.99	-.0000	-.00
10.14	.8335	1791.65	79.08	.0003	39.62	148.02	-.0000	-.00
12.17	.7221	7863.47	81.10	.0002	47.14	150.04	-.0000	-.00
14.19	.6134	13317.35	83.13	.0001	46.85	152.07	-.0000	-.00
16.22	.5095	17967.66	85.16	.0001	41.82	154.10	-.0000	-.00
18.25	.4119	21655.93	87.19	.0000	34.44	156.13	-.0000	-.00
20.28	.3217	24263.94	89.22	-.0000	26.39	158.15	.0000	-.00
22.30	.2412	25734.71	91.24	-.0000	18.80	160.18	.0000	-.00
24.33	.1724	26061.55	93.27	-.0000	12.28	162.21	.0000	-.00
26.36	.1155	25264.79	95.30	-.0000	7.09	164.24	.0000	-.00
28.39	.0701	23455.37	97.33	-.0000	3.27	166.26	.0000	-.00
30.41	.0355	20799.42	99.35	-.0000	.65	168.29	.0000	.00
32.44	.0100	17674.31	101.38	-.0000	-.95	170.32	.0000	.00
34.47	-.0073	14415.77	103.41	-.0000	-1.78	172.35	.0000	.00
36.50	-.0180	11243.26	105.44	-.0000	-2.06	174.38	.0000	.00
38.52	-.0238	8315.54	107.46	-.0000	-1.98	176.40	.0000	.00
40.55	-.0254	5748.24	109.49	-.0000	-1.71	178.43	.0000	.00
42.58	-.0246	3609.31	111.52	-.0000	-1.35	180.46	-.0000	.00
44.61	-.0222	1923.52	113.55	.0000	-.99	182.49	-.0000	.00
46.64	-.0189	660.23	115.57	.0000	-.66	184.51	-.0000	.00
48.66	-.0153	-178.83	117.60	.0000	-.40	186.54	-.0000	.00
50.69	-.0118	-730.39	119.63	.0000	-.20	188.57	-.0000	.00
52.72	-.0086	-1034.72	121.66	.0000	-.06	190.60	-.0000	.00
54.75	-.0058	-1151.17	123.68	.0000	.02	192.62	-.0000	-.00
56.77	-.0035	-1134.10	125.71	.0000	.07	194.65	-.0000	-.00
58.80	-.0020	-1030.39	127.74	.0000	.08	196.68	-.0000	-.00
60.83	-.0007	-878.21	129.77	.0000	.08	198.71	-.0000	-.00
62.86	.0001	-705.84	131.80	.0000	.07	200.73	.0000	-.00
64.88	.0006	-537.25	133.82	.0000	.06	202.76	.0000	0.00
66.91	.0008	-383.11	135.85	-.0000	.04			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 9
PILE JOINT NO. 1012

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MPL 93.0 FEET - 50 YR STORM

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	2.7845	-56518.05	68.94	.0013	-675.59	137.88	-.0000	.07
2.03	2.6064	-45205.11	70.97	.0015	-445.26	139.91	-.0000	.05
4.06	2.4164	-33926.79	72.99	.0015	-265.72	141.93	-.0000	.03
6.08	2.2125	-22674.44	75.02	.0013	-128.34	143.96	-.0000	.02
8.11	2.0005	-11439.46	77.05	.0011	-32.10	145.99	-.0000	.01
10.14	1.7846	-353.55	79.08	.0008	29.44	148.02	-.0000	-.00
12.17	1.5684	10169.81	81.10	.0006	63.61	150.04	-.0000	-.00
14.19	1.3564	19801.02	83.13	.0004	77.67	152.07	-.0000	-.01
16.22	1.1509	28206.63	85.16	.0002	78.06	154.10	-.0000	-.01
18.25	.9553	35185.37	87.19	.0001	70.13	156.13	-.0000	-.01
20.28	.7720	40560.50	89.22	.0000	58.01	158.15	-.0000	-.00
22.30	.6049	44295.59	91.24	-.0000	44.63	160.18	.0000	-.00
24.33	.4578	46295.36	93.27	-.0000	31.92	162.21	.0000	-.00
26.36	.3318	46581.05	95.30	-.0001	20.97	164.24	.0000	-.00
28.39	.2270	45167.70	97.33	-.0001	12.23	166.26	.0000	-.00
30.41	.1427	42152.85	99.35	-.0000	5.75	168.29	.0000	-.00
32.44	.0776	37699.88	101.38	-.0000	1.32	170.32	.0000	-.00
34.47	.0297	32280.46	103.41	-.0000	-1.41	172.35	.0000	.00
36.50	-.0036	26503.34	105.44	-.0000	-2.83	174.38	.0000	.00
38.52	-.0249	20803.44	107.46	-.0000	-3.33	176.40	.0000	.00
40.55	-.0366	15509.86	109.49	-.0000	-3.23	178.43	.0000	.00
42.58	-.0414	10859.64	111.52	-.0000	-2.80	180.46	.0000	.00
44.61	-.0412	6975.16	113.55	-.0000	-2.22	182.49	-.0000	.00
46.64	-.0378	3925.16	115.57	.0000	-1.62	184.51	-.0000	.00
48.66	-.0326	1647.80	117.60	.0000	-1.09	186.54	-.0000	.00
50.69	-.0267	27.55	119.63	.0000	-.66	188.57	-.0000	.00
52.72	-.0208	-1032.67	121.66	.0000	-.34	190.60	-.0000	.00
54.75	-.0153	-1640.00	123.68	.0000	-.11	192.62	-.0000	.00
56.77	-.0106	-1900.84	125.71	.0000	.03	194.65	-.0000	-.00
58.80	-.0064	-1913.17	127.74	.0000	.10	196.68	-.0000	-.00
60.83	-.0036	-1761.84	129.77	.0000	.13	198.71	-.0000	-.00
62.86	-.0016	-1516.21	131.80	.0000	.13	200.73	.0000	-.00
64.88	-.0001	-1229.75	133.82	.0000	.12	202.76	.0000	0.00
66.91	.0008	-941.04	135.85	.0000	.10			

S T R A N - J O I N T   D E F L E C T I O N S   A N D   R O T A T I O N S

LOAD CONDITION NO. 6

PAGE 1
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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	3.24241	7.61371	-.12137	.00095	-.00057	.00209	
102	3.24354	6.64007	-.20521	.00080	-.00032	.00599	
103	3.24446	5.66521	-.24155	.00105	-.00021	.00682	
104	2.40065	7.12658	-.07709	.00116	-.00064	.00607	
105	2.39464	6.15149	-.15380	.00090	-.00016	.00519	
106	1.55[illegible]	6.65733	.06922	.00092	-.00088	.00639	
201	3.32545	7.79470	-.11994	.00102	-.00039	.00195	
202	3.31457	6.82378	-.27790	.00055	-.00033	.00592	
203	3.30495	5.86467	-.24005	.00106	-.00037	.00687	
204	2.49543	7.29392	-.11711	.00100	-.00068	.00589	
205	2.49451	6.34573	-.20600	.00072	-.00029	.00481	
206	1.73569	6.91458	.09040	.00134	-.00071	.00643	
301	3.35571	7.61715	-.11577	-.00160	-.00018	.00176	
303	3.30649	5.66115	-.23947	-.00224	-.00026	.00718	
306	1.66256	6.65390	.09640	-.00211	-.00048	.00635	
401	3.27695	6.26461	-.09768	-.00359	.00103	.00339	
403	3.25307	4.25456	-.23564	-.00216	.00068	.00521	
405	1.75245	5.19756	.12252	-.00207	.00062	.00548	
501	3.25[illegible]	5.12678	-.06437	-.00249	.00056	.00359	
502	3.25[illegible]	5.12546	-.15627	-.00050	-.00071	.00579	
503	3.20725	4.11759	-.19665	-.00145	.00074	.00514	
504	2.44524	5.59700	-.07217	.00104	.00094	.00524	
505	2.45[illegible]	4.65956	-.06503	.00108	-.00084	.00515	
506	1.70243	5.10113	.07764	-.00161	.00052	.00546	
507	3.24376	6.21[illegible]	-.07155	-.00249	.00055	.00357	
508	3.33370	4.[illegible]	-.16604	-.00145	.00074	.00514	
509	1.57[illegible]	5.10765	.04117	-.00161	.00052	.00545	
510	3.22652	6.06420	-.06929	-.00392	.00142	.00328	
511	3.27165	4.10262	-.23754	-.00192	.00042	.00522	
512	1.69452	5.09477	.12125	-.00104	.00063	.00547	
513	3.32645	5.25229	-.06279	-.00127	-.00044	.00419	
514	3.35766	3.96364	-.11465	-.00116	.00158	.00487	
601	3.24745	6.35074	-.07777	-.00133	.00017	.00376	
603	3.25[illegible]	3.94378	-.16123	-.00066	.00065	.00505	
605	1.[illegible]	5.00721	.03224	-.00118	.00042	.00541	
611	3.[illegible]	5.05200	-.05365	-.00055	-.00013	.00421	
612	3.61[illegible]	6.24229	-.25410	.00545	.00003	.00524	
613	3.62414	3.99501	-.12769	-.00024	.00032	.00650	
641	3.26242	5.69997	-.06474	-.00070	.00005	.00377	
642	3.27947	5.19171	-.14977	-.00107	-.00012	.00456	
643	3.25447	3.91065	-.12762	-.00039	.00061	.00504	
644	2.[illegible]	5.73175	-.10652	.00[illegible]22	.00055	.00529	
645	2.55[illegible]	4.4[illegible]7	-.04757	.00040	-.00037	.00507	
646	1.[illegible]	4.35709	-.21114	-.00094	.00037	.00537	
651	3.2[illegible]15	5.[illegible]	-.30194	-.00047	.00011	.00370	
653	3.23[illegible]27	5.[illegible]37	-.09524	-.00029	.00060	.00507	
655	1.42[illegible]	4.67443	-.05255	-.[illegible]	.00035	.00533	
661	3.33[illegible]	6.[illegible]104	-.[illegible]3455	-.[illegible]	.00055	.00315	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	3.55501	7.00267	-.25815	.00448	.00039	.00509	
603	3.50450	3.84163	-.11768	.00043	.00076	.00728	
701	3.26749	6.00499	-.05560	-.00048	.00024	.00349	
702	3.25731	4.85092	-.17245	-.00045	-.00020	.00486	
703	3.21945	3.74695	-.05494	-.00054	.00061	.00517	
704	2.24550	5.40605	-.15356	.00019	-.00017	.00495	
705	2.26406	4.27808	-.16364	.00041	.00019	.00545	
706	1.31498	4.81358	-.10019	-.00065	.00028	.00528	
707	3.33200	6.07855	-.05501	-.00048	.00024	.00348	
708	3.28260	3.84297	-.03594	-.00054	.00061	.00514	
709	1.19522	4.81652	-.12934	-.00065	.00029	.00528	
710	2.61452	4.85494	-.06842	-.00517	.00290	.00261	
711	3.36415	3.42102	-.28295	-.00133	.00024	.00524	
712	1.23495	4.70753	.17613	-.00096	.00064	.00533	
801	3.14613	5.77591	-.07811	-.00191	.00115	.00278	
802	3.13761	4.40442	-.05016	-.00175	.00025	.00497	
803	3.12143	3.03410	.20565	-.00239	.00098	.00507	
804	1.44528	5.06408	-.32658	-.00052	.00048	.00473	
805	1.49603	3.72844	-.23523	-.00029	.00036	.00552	
806	.40529	4.30008	-.35101	-.00195	.00080	.00528	
807	3.10526	5.84006	-.07925	-.00191	.00115	.00279	
808	3.10412	2.93849	.25392	-.00239	.00098	.00507	
809	.75533	4.30866	-.39760	-.00195	.00080	.00524	
810	1.70132	3.25696	-.06320	-.00544	.00324	.00214	
811	3.20624	2.71902	-.28240	-.00169	.00160	.00492	
812	.70110	4.29011	.19491	-.00211	.00050	.00514	
901	2.70101	5.15947	-.06122	-.00236	.00127	.00249	
902	2.62117	3.61979	.10044	-.00210	.00050	.00525	
903	2.07606	1.92474	.44599	-.00268	.00157	.00482	
904	1.44403	4.36678	-.42387	-.00130	.00112	.00468	
905	1.45403	2.83549	-.17227	-.00078	.00065	.00558	
906	.26144	3.65598	-.61249	-.00268	.00147	.00469	
907	2.74554	5.21981	-.05948	-.00236	.00127	.00249	
908	2.94261	1.33806	.50907	-.00269	.00157	.00478	
909	.15176	3.64870	-.60211	-.00269	.00147	.00467	
910	.77415	1.60502	-.06039	-.00471	.00265	.00205	
911	2.72609	1.97433	-.23401	-.00114	.00149	.00453	
912	.34052	3.52706	.17083	-.00193	.00028	.00448	
1001	2.52012	4.57032	-.04699	-.00212	.00082	.00250	
1002	2.51728	2.81611	.19717	-.00206	.00089	.00558	
1003	2.34460	.90652	.61114	-.00214	.00187	.00407	
1004	.84951	3.69522	-.44002	-.00237	.00221	.00543	
1005	.94651	1.92159	.00860	-.00133	.00116	.00495	
1006	-.53625	2.67524	-.76860	-.00305	.00197	.00417	
1007	2.55255	4.82596	-.03472	-.00211	.00082	.00244	
1008	2.44638	.82744	.67611	-.00214	.00187	.00402	
1009	-.62701	2.67745	-.86200	-.00304	.00199	.00413	
1010	-.52208	-.10510	-.02456	.00041	-.00296	.00272	OBLIQUE
1011	.16467	.48522	-.04152	-.00514	.00133	.00219	GLOBAL

S T R A N - J O I N T   D E F L E C T I O N S   A N D   R O T A T I O N S

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
NUMBER	X	Y	Z	X	Y	Z	
1011	.10269	-2.40906	.25213	.00587	.00051	.00378	OBLIQUE
1011	2.14275	1.29731	-.14757	-.00283	.00515	.00381	GLOBAL
1012	.12490	2.49395	-.32442	-.00620	.00058	.00372	OBLIQUE
1012	.12490	2.51335	.09000	-.00620	-.00004	.00376	GLOBAL

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	.16898	8.20119	-.19266	.00104	-.00019	-.00198	
102	.10946	7.92055	-.26473	.00069	.00011	.00183	
103	.17078	7.63649	-.16773	.00117	.00018	.00389	
104	-.07468	8.06106	-.09781	.00126	-.00025	.00232	
105	-.07614	7.77766	-.10732	.00093	.00025	.00123	
106	-.32209	7.91807	.10790	.00094	-.00064	.00130	
201	.16225	8.40350	-.19125	.00120	-.00002	-.00213	
202	.17151	8.11739	-.27746	.00064	.00010	.00174	
203	.10038	7.86015	-.16622	.00125	.00002	.00398	
204	-.04553	8.24066	-.14118	.00105	-.00030	.00210	
205	-.04510	7.99161	-.16163	.00073	.00015	.00075	
206	-.22075	8.10532	.10690	.00147	-.00038	.00129	
301	.16028	8.39559	-.16671	-.00265	-.00003	-.00204	
303	.10625	7.69379	-.16592	-.00235	.00022	.00446	
306	-.10349	8.12988	.11840	-.00271	-.00054	.00102	
401	.19045	6.37779	-.18212	-.00365	.00049	-.00035	
403	.09150	6.02729	-.16378	-.00352	-.00046	.00177	
406	.05379	6.07605	.14645	-.00247	.00002	.00056	
501	.17409	6.19502	-.15563	-.00284	.00020	-.00021	
502	.14727	6.00107	-.13110	-.00061	.00008	.00093	
503	.11659	5.86239	-.13900	-.00228	-.00019	.00161	
504	.15546	6.05069	-.09457	.00143	.00133	.00067	
505	.14684	5.93625	-.06020	.00146	-.00098	.00023	
506	.04417	5.96331	.09596	-.00191	.00016	.00056	
507	.17256	6.20230	-.12643	-.00264	.00020	-.00021	
508	.13755	5.83803	-.11619	-.00226	-.00019	.00161	
509	.03147	5.97158	.05058	-.00191	.00016	.00056	
510	.16073	6.16514	-.17829	-.00367	.00083	-.00042	
511	.13301	5.83322	-.16307	-.00333	-.00083	.00182	
512	.04501	5.95609	.14854	-.00194	.00001	.00054	
513	.17715	6.20023	-.08062	-.00206	-.00080	.00030	
514	.14139	5.82408	-.08973	-.00132	.00052	.00109	
601	.16065	6.03429	-.12464	-.00173	-.00003	-.00005	
603	.13452	5.72801	-.11649	-.00115	.00003	.00144	
606	.02079	5.65204	.04183	-.00137	.00030	.00055	
611	.16461	6.03572	-.03955	-.00083	.00016	-.00092	
612	.20009	7.31671	-.23200	.00579	-.00003	.00078	
613	.21049	5.72446	-.07336	-.00025	.00013	.00232	
641	.17067	5.95505	-.09724	-.00112	-.00014	-.00001	
642	.15497	6.12693	-.12715	-.00137	.00013	.00014	
643	.13793	5.65558	-.09719	-.00057	.00014	.00140	
644	.14926	5.99986	-.03800	.00029	.00068	.00072	
645	-.02100	5.83104	-.09267	-.00008	-.00100	.00060	
646	-.00941	5.77158	-.00771	-.00106	.00035	.00052	
651	.17494	5.90674	-.07145	-.00069	-.00015	-.00004	
653	.13667	5.60777	-.07922	-.00044	.00017	.00144	
656	-.03447	5.70359	-.05150	-.00099	.00032	.00048	
661	.15470	5.86850	-.03915	-.00065	-.00020	-.00158	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.20005	6.12200	-.23205	.00467	-.00002	.00063	
603	.21550	5.60952	-.07300	-.00021	.00019	.00297	
701	.16707	5.79455	-.04110	-.00086	-.00014	-.00017	
702	.10101	5.66006	-.16568	-.00059	-.00005	.00050	
703	.13518	5.54863	-.05669	-.00060	.00018	.00160	
704	.05572	5.71418	-.17301	.00025	-.00007	.00021	
705	.04478	5.56691	-.15999	.00036	.00019	.00095	
706	-.06761	5.62679	-.10935	-.00102	.00018	.00041	
707	.16479	5.79415	-.02792	-.00086	-.00014	-.00018	
708	.15437	5.51807	-.04549	-.00060	.00018	.00158	
709	-.07761	5.62999	-.13303	-.00102	.00017	.00043	
710	-.27253	4.95152	-.16865	-.00410	.00165	-.00078	
711	.59107	4.71621	-.16965	-.00364	-.00150	.00213	
712	.02336	5.57348	.20693	-.00116	-.00001	.00042	
801	.20254	5.31945	.08361	-.00220	.00002	-.00072	
802	.17407	5.12501	-.02152	-.00190	.00005	.00065	
803	.14544	4.96329	.11804	-.00259	.00007	.00189	
804	.04908	5.19105	-.27240	-.00048	.00002	.00011	
805	.03315	5.03946	-.29811	-.00064	-.00019	.00091	
806	-.04703	5.06859	-.41727	-.00240	-.00029	.00049	
807	.19159	5.31354	.10942	-.00221	.00002	-.00069	
808	.16750	4.93451	.15002	-.00259	.00007	.00188	
809	-.05245	5.09700	-.47458	-.00240	-.00029	.00046	
810	-.73661	3.58755	-.10646	-.00426	.00114	-.00103	
811	.97968	3.40569	-.18484	-.00404	-.00059	.00212	
812	.00066	4.98275	.22525	-.00260	-.00005	.00048	
901	.13177	4.41403	.23797	-.00302	-.00007	-.00068	
902	.15516	4.19058	.15827	-.00248	.00001	.00086	
903	.17419	3.89201	.26063	-.00300	.00026	.00164	
904	.01059	4.20606	-.33094	-.00131	.00036	.00002	
905	-.00131	4.09379	-.31637	-.00126	-.00025	.00081	
906	.00447	4.16009	-.71834	-.00319	.00010	.00029	
907	.12170	4.41322	.27451	-.00303	-.00006	-.00067	
908	.19921	3.66776	.30061	-.00300	.00026	.00162	
909	.00109	4.19752	-.80101	-.00319	.00010	.00030	
910	-1.05047	2.22856	-.16328	-.00359	.00062	-.00061	
911	1.14174	2.06274	-.14720	-.00316	-.00049	.00167	
912	.00169	4.05601	.19096	-.00230	-.00004	.00030	
1001	.23146	3.30003	.34830	-.00315	-.00043	-.00044	
1002	.15614	3.23797	.30540	-.00336	.00004	.00064	
1003	.07718	2.96028	.36159	-.00240	.00045	.00133	
1004	-.00905	3.32751	-.35475	-.00244	.00103	.00065	
1005	-.01468	3.13960	-.17795	-.00207	-.00035	.00025	
1006	-.10634	3.07927	-.42039	-.00345	.00073	.00040	
1007	.22901	3.38098	.39521	-.00315	-.00043	-.00046	
1008	.02674	2.95911	.40011	-.00240	.00045	.00134	
1009	[illegible]	3.38184	-1.00415	-.00345	.00073	.00039	
1[illegible]1	-.42161	-1.40050	.13502	.00367	-.00223	-.00006	OBLIQUE
1[illegible]0	-1.00535	1.06583	-.09715	-.00367	-.00223	-.00043	GLOBAL

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	.37579	-1.46275	.14826	.00366	.00184	.00102	OBLIQUE
1011	1.05159	1.06131	-.09437	-.00326	.00235	.00131	GLOBAL
1012	-.00010	2.86911	-.37729	-.00706	.00000	.00027	OBLIQUE
1012	-.00010	2.89210	.09952	-.00706	-.00004	.00026	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	-3.10440	-7.33369	-.05829	-.00101	.00035	-.00045	
102	-3.10225	-6.69506	-.05150	-.00117	.00029	-.00405	
103	-3.09990	-6.05632	.06584	-.00106	.00028	-.00480	
104	-2.55059	-7.01685	-.22923	-.00090	.00025	-.00398	
105	-2.54965	-6.37765	-.15559	-.00063	.00051	-.00317	
106	-1.99670	-6.69974	-.24391	-.00077	.00087	-.00515	
201	-3.17107	-7.51110	-.03660	-.00105	.00020	-.00032	
202	-3.16213	-6.87400	-.09571	-.00112	.00027	-.00397	
203	-3.15266	-6.25334	.06727	-.00125	.00052	-.00484	
204	-2.63519	-7.17862	-.24545	-.00067	.00009	-.00377	
205	-2.65425	-6.56766	-.21009	-.00064	.00029	-.00275	
206	-2.13790	-6.86644	-.24204	-.00104	.00060	-.00521	
301	-3.14476	-7.55539	-.05552	.00171	.00014	.00004	
303	-3.23167	-6.24323	.07626	.00255	.00033	-.00516	
305	-2.20615	-6.69564	-.24049	.00226	.00018	-.00505	
401	-3.13964	-5.99476	-.03382	.00351	-.00099	-.00214	
403	-3.12435	-4.47286	.09423	.00238	-.00058	-.00367	
405	-2.60215	-5.16329	-.24344	.00223	-.00067	-.00426	
501	-3.10762	-5.85059	-.04367	.00246	-.00055	-.00234	
502	-3.11179	-5.09572	-.03021	.00044	.00065	-.00441	
503	-3.11127	-4.33545	.05550	.00162	-.00065	-.00380	
504	-2.51012	-5.44547	-.10094	-.00090	-.00110	-.00385	
505	-2.50363	-4.73462	-.04651	-.00160	.00094	-.00376	
506	-1.95192	-5.07795	-.20058	.00177	-.00071	-.00423	
507	-3.13762	-5.90843	-.06154	.00246	-.00054	-.00232	
508	-3.15946	-4.26457	.02333	.00162	-.00065	-.00380	
509	-1.86319	-5.06564	-.15857	.00177	-.00071	-.00423	
510	-3.06658	-5.81425	-.03978	.00379	-.00134	-.00205	
511	-3.11579	-4.31824	.09858	.00217	-.00030	-.00390	
512	-1.97555	-5.07264	-.24175	.00177	-.00092	-.00426	
513	-3.15766	-5.93703	-.07503	.00155	.00016	-.00294	
514	-3.17667	-4.22449	-.03422	.00152	-.00163	-.00349	
601	-3.09894	-5.74157	-.05755	.00157	-.00015	-.00252	
603	-3.09220	-4.21415	.01635	.00081	-.00061	-.00373	
605	1.86575	-4.97466	-.15308	.00127	-.00055	-.00418	
611	-3.36592	-5.74302	-.14392	.00054	-.00017	-.00292	
612	-3.37245	-6.24014	-.23201	-.00523	-.00004	-.00387	
613	-3.36042	-4.21565	-.06068	.00045	.00005	-.00537	
641	-3.10621	-5.69460	-.06846	.00075	-.00003	-.00254	
642	-3.09297	-5.16627	-.02699	.00168	.00005	-.00328	
643	-3.07498	-4.13491	-.01875	.00043	-.00059	-.00373	
644	-2.75307	-5.49560	-.16134	-.00006	-.00064	-.00405	
645	-2.45349	-4.56814	-.06977	-.00034	.00042	-.00380	
646	-1.79925	-4.69884	-.10998	.00100	-.00046	-.00415	
651	-3.11610	-5.67821	-.07669	.00052	-.00012	-.00249	
653	-3.05871	-4.06955	-.05252	.00041	-.00058	-.00378	
655	-1.71919	-4.65635	-.06920	.00090	-.00040	-.00411	
661	-3.29978	-5.67955	-.13406	.00117	-.00067	-.00162	

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
662	-3.31248	-6.96203	-.23205	-.00415	-.00039	-.00377	
663	-3.32436	-4.07093	-.06953	.00026	-.00049	-.00617	
701	-3.11726	-5.66639	-.08436	.00050	-.00027	-.00229	
702	-3.06206	-4.80062	-.17409	-.00021	.00018	-.00358	
703	-3.04115	-3.98315	-.09377	.00062	-.00057	-.00391	
704	-2.36487	-5.21451	-.17429	.00025	-.00049	-.00368	
705	-2.35518	-4.36998	-.16851	.00001	.00044	-.00418	
706	-1.65360	-4.76619	-.02198	.00093	-.00034	-.00408	
707	-3.14571	-5.71522	-.08467	.00050	-.00027	-.00229	
708	-3.06699	-3.90543	-.11305	.00063	-.00057	-.00387	
709	-1.55572	-4.76927	.00015	.00093	-.00034	-.00408	
710	-2.49595	-4.57691	-.04761	.00465	-.00268	-.00148	
711	-3.21435	-3.59994	.15742	.00168	-.00010	-.00403	
712	-1.46495	-4.72372	-.27654	.00102	-.00104	-.00419	
801	-2.94253	-5.36567	-.07080	.00195	-.00118	-.00165	
802	-2.92647	-4.33523	-.36929	.00098	-.00027	-.00366	
803	-2.90855	-3.30962	-.35898	.00256	-.00096	-.00390	
804	-2.07916	-4.82610	-.06856	.00100	-.00125	-.00349	
805	-2.05963	-3.82812	-.18109	.00077	.00030	-.00423	
806	-1.27103	-4.31150	.22354	.00203	-.00076	-.00413	
807	-2.96569	-5.40751	-.06945	.00196	-.00119	-.00167	
808	-2.95715	-3.25844	-.40655	.00236	-.00096	-.00390	
809	-1.17641	-4.31878	.27168	.00203	-.00077	-.00409	
810	-1.62911	-3.06400	-.03962	.00504	-.00298	-.00111	
811	-3.07694	-2.83695	.17045	.00204	-.00141	-.00361	
812	-.93609	-4.22913	-.27819	.00214	-.00093	-.00408	
901	-2.53240	-4.59301	-.09217	.00234	-.00130	-.00148	
902	-2.50725	-3.54972	-.43050	.00168	-.00051	-.00390	
903	-2.53746	-2.26065	-.59898	.00264	-.00151	-.00377	
904	-1.60161	-4.11949	.10322	.00156	-.00148	-.00341	
905	-1.59166	-2.96260	-.14822	.00106	-.00029	-.00426	
906	-.70633	-3.56165	.47977	.00274	-.00143	-.00365	
907	-2.55523	-4.73311	-.09315	.00234	-.00130	-.00148	
908	-2.69069	-2.19623	-.66025	.00264	-.00150	-.00373	
909	-.61677	-3.57672	.55062	.00274	-.00143	-.00363	
910	-.75717	-1.57345	-.02710	.00054	-.00240	-.00112	
911	-2.03622	-2.03790	.14102	.00145	-.00129	-.00354	
912	-.46797	-3.46513	-.23742	.00197	-.00066	-.00351	
1001	-2.25166	-4.04807	-.10565	.00218	-.00067	-.00159	
1002	-2.25250	-2.74301	-.35608	.00279	-.00088	-.00419	
1003	-2.14083	-1.35006	-.76317	.00220	-.00190	-.00315	
1004	-1.12107	-3.39575	.29312	.00234	-.00210	-.00411	
1005	-1.11291	-2.07362	-.14296	.00136	-.00120	-.00360	
1006	.12468	-2.60010	.65571	.00298	-.00164	-.00322	
1007	-2.27359	-4.08869	-.11373	.00217	-.00067	-.00154	
1008	-2.17662	-1.29009	-.82937	.00220	-.00190	-.00312	
1009	.09375	-2.60202	.72816	.00298	-.00165	-.00319	
1010	.47504	.05312	-.03529	-.00026	.00262	-.00186	OBLIQUE
1010	-.13663	-.04075	-.02905	.00260	-.00132	-.00137	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MRL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	-.13969	2.35290	-.31854	-.00560	-.00064	-.00289	OBLIQUE
1011	-1.95597	-1.30678	.07262	.00505	-.00494	-.00296	GLOBAL
1012	-.14579	-2.94125	.26369	.00610	-.00070	-.00283	OBLIQUE
1012	-.14579	-2.45141	-.14104	.00610	-.00022	-.00290	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	.08476	-7.75317	.03446	-.00111	-.00005	.00196	
102	.09077	-7.67508	-.05175	-.00126	-.00013	-.00053	
103	.09276	-7.59319	-.00713	-.00117	-.00012	-.00235	
104	.15937	-7.71570	-.20827	-.00100	-.00016	-.00098	
105	.16030	-7.65605	-.20546	-.00069	.00010	-.00019	
106	.22659	-7.67883	-.20671	-.00079	.00052	.00013	
201	.09422	-7.95127	.03597	-.00121	-.00020	.00205	
202	.10547	-7.86923	-.09507	-.00121	-.00016	-.00044	
203	.11265	-7.81249	-.00570	-.00140	.00010	-.00242	
204	.14597	-7.89297	-.21903	-.00071	-.00031	-.00079	
205	.14718	-7.84360	-.25864	-.00070	-.00016	.00022	
206	.15408	-7.85891	-.26468	-.00118	.00015	.00015	
301	.11509	-7.96515	.03923	.00226	.00009	.00227	
303	.11047	-7.84319	.00265	.00219	-.00014	-.00266	
305	.12496	-7.89595	-.26439	.00251	.00045	.00043	
401	.02897	-6.09596	.05408	.00362	-.00041	.00106	
403	.15609	-6.08264	.02051	.00324	.00062	-.00081	
406	-.10272	-5.97733	-.26894	.00246	-.00002	.00036	
501	.05069	-5.91855	.02603	.00267	-.00015	.00093	
502	.08768	-5.89051	-.05090	.00067	-.00018	.00005	
503	.12540	-5.92895	-.00387	.00223	.00033	-.00066	
504	.03240	-5.85957	-.08126	-.00133	-.00141	.00028	
505	.04067	-5.91534	-.12052	-.00131	.00105	.00072	
506	-.10144	-5.86172	-.22002	.00194	-.00015	.00035	
507	.06170	-5.91013	-.00230	.00267	-.00015	.00094	
508	.11841	-5.92048	-.02323	.00223	.00033	-.00067	
509	-.11039	-5.87014	-.17406	.00194	-.00015	.00035	
510	.00267	-5.89090	.05318	.00364	-.00072	.00113	
511	.11165	-5.89871	.02316	.00330	.00097	-.00088	
512	-.10427	-5.55509	-.26819	.00194	-.00004	.00037	
513	.00117	-5.90216	-.04903	.00196	.00098	.00038	
514	.12015	-5.92117	-.05490	.00133	-.00058	-.00011	
601	.05945	-5.75862	-.00860	.00165	.00010	.00079	
603	.10763	-5.80555	-.02625	.00117	.00004	-.00051	
606	-.08925	-5.74947	-.16745	.00138	-.00029	.00035	
611	.10193	-5.76028	-.12522	.00093	-.00008	.00188	
612	.09371	-7.23375	-.21920	-.00553	.00005	.00016	
613	.08549	-5.80723	-.10600	.00039	.00019	-.00160	
641	.05592	-5.65512	-.03802	.00110	.00019	.00076	
642	.10554	-6.03048	-.04294	.00127	-.00021	.00073	
643	.10494	-5.74009	-.04572	.00062	-.00009	-.00049	
644	-.12431	-5.77657	-.12894	-.00023	-.00067	.00013	
645	.13915	-5.83853	-.08609	.00013	.00103	.00011	
646	-.06971	-5.66761	-.11953	.00108	-.00035	.00037	
651	.04957	-5.57852	-.06357	.00090	.00018	.00079	
653	.10773	-5.69772	-.06400	.00051	-.00011	-.00055	
655	-.04933	-5.59958	-.07403	.00099	-.00053	.00040	
661	.10161	-5.58015	-.12543	.00115	-.00004	.00257	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
662	.06687	-7.99123	-.21921	-.00429	.00005	.00029	
663	.07215	-5.69933	-.10412	.00079	.00013	-.00226	
701	.04569	-5.49718	-.09552	.00085	.00014	.00093	
702	.07517	-5.55482	-.17078	-.00009	.00001	.00039	
703	.11037	-5.64451	-.08611	.00064	-.00012	-.00072	
704	.01363	-5.51098	-.15296	.00015	-.00056	.00066	
705	.02353	-5.57987	-.16937	.00005	.00043	-.00007	
706	-.03176	-5.52118	-.02100	.00106	-.00021	.00045	
707	.05694	-5.48132	-.10853	.00085	.00014	.00093	
708	.10195	-5.63212	-.09625	.00064	-.00012	-.00071	
709	-.04309	-5.52404	.00412	.00106	-.00021	.00043	
710	.46459	-4.71607	.07810	.00363	-.00147	.00148	
711	-.35248	-4.79024	.06365	.00381	.00158	-.00127	
712	-.09754	-5.47243	-.31269	.00116	-.00013	.00043	
801	.05065	-4.96654	-.22948	.00221	-.00003	.00145	
802	.05523	-5.01959	-.37114	.00107	-.00006	.00023	
803	.11993	-5.09433	-.26249	.00254	-.00003	-.00108	
804	.00944	-4.96979	-.12766	.00088	-.00069	.00076	
805	.02151	-5.05064	-.10121	.00107	.00066	-.00003	
806	-.10102	-4.98276	.27867	.00244	.00035	-.00032	
807	.06690	-4.96547	-.25466	.00221	-.00003	.00141	
808	.10765	-5.06208	-.29303	.00254	-.00003	-.00106	
809	-.10836	-4.99142	.33674	.00244	.00035	.00034	
810	.89096	-3.41356	.09104	.00397	-.00093	.00169	
811	-.75555	-3.45523	.07105	.00426	.00076	-.00136	
812	-.07251	-4.88532	-.31343	.00259	-.00014	.00029	
901	.12370	-4.04865	-.39009	.00299	.00008	.00134	
902	.10461	-4.08869	-.48168	.00204	-.00001	.00005	
903	.09688	-4.06912	-.40234	.00295	-.00016	-.00112	
904	.01675	-4.02755	.00499	.00152	-.00071	.00084	
905	.02458	-4.12548	-.00399	.00151	.00065	.00014	
906	-.21494	-4.07226	.57438	.00323	-.00004	.00044	
907	.13548	-4.03404	-.42650	.00299	.00008	.00133	
908	.08108	-4.05935	-.43991	.00295	-.00016	-.00109	
909	-.22533	-4.08960	.65829	.00324	-.00004	.00042	
910	1.13865	-2.12633	.08286	.00326	-.00057	.00141	
911	-.95324	-2.09072	.05069	.00341	.00067	-.00120	
912	-.04048	-3.95976	-.26058	.00234	-.00016	.00038	
1001	.04397	-2.97933	-.50080	.00324	.00040	.00106	
1002	.11645	-3.14220	-.46129	.00348	-.00002	.00030	
1003	.16915	-3.19930	-.49914	.00241	-.00039	-.00070	
1004	.01358	-3.07615	.20931	.00239	-.00094	.00005	
1005	.02422	-3.16692	.04019	.00206	.00030	.00070	
1006	-.08310	-2.97950	.77438	.00333	-.00066	.00025	
1007	.05276	-2.96740	-.54801	.00324	.00040	.00107	
1008	.18467	-3.19129	-.53557	.00241	-.00039	-.00072	
1009	-.09168	-2.98149	.85530	.00333	-.00066	.00025	
1010	.39734	1.41263	-.20143	-.00377	.00173	.00064	OBLIQUE
1010	1.03724	-1.05713	.03371	.00344	.00237	.00094	GLOBAL

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
1011	-.41610	1.32187	-.20365	-.00340	-.00202	-.00041	OBLIQUE
1011	-.95050	-1.02875	.01636	.00337	-.00199	-.00073	GLOBAL
1012	-.01391	-2.79403	.30994	.00686	-.00006	.00035	OBLIQUE
1012	-.01391	-2.80697	-.15361	.00686	-.00012	.00033	GLOBAL

S T R A N - R E A C T I O N   F O R C E S   A N D   M O M E N T S

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	19.2720	24.9274	173.0628	1654.9136	13509.1337	-3020.3709	OBLIQUE
1010	-12.9904	-14.7548	174.6059	11145.3685	-8340.5975	-757.1427	GLOBAL
1011	-1.1205	434.1074	-1776.9111	51821.4078	-2673.0106	-4196.5492	OBLIQUE
1011	-623.5749	-361.0060	-1681.3026	-24210.4469	45659.5759	-4579.0662	GLOBAL
1012	-2.1460	-415.0438	2286.3604	-52276.4129	-2563.3298	-4129.7836	OBLIQUE
1012	-2.1460	-785.2720	2187.0192	-52276.4128	-1649.5207	-4495.0022	GLOBAL
TOTAL	-630.6015	-1161.0348	680.5224	-65343.4912	35069.4577	-9831.2112	

S T R A N - R E A C T I O N   F O R C E S   A N D   M O M E N T S

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	10.2825	286.4375	-951.5556	32099.4692	8544.9095	61.5492	OBLIQUE
1010	375.1549	-226.3124	-691.4790	-8748.9343	-32010.9584	1466.2444	GLOBAL
1011	-10.6725	293.7066	-1044.6472	34044.4334	-9016.2999	-1136.3542	OBLIQUE
1011	-394.4726	-239.9916	-982.3043	-9471.2595	33839.6669	-2603.9476	GLOBAL
1012	.1169	-460.4691	2658.9916	-59644.9960	-30.6560	-295.3496	OBLIQUE
1012	.1169	-691.3395	2547.1125	-59644.9960	18.1190	-296.4037	GLOBAL
TOTAL	-19.1808	-1359.5534	673.3292	-77865.1918	1846.8274	-1434.1069	

S T R A N - R E A C T I O N   F O R C E S   A N D   M O M E N T S

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	F-X	F-Y	F-Z	M-X	M-Y	M-Z	REMARKS
	/----FORCE IN KIPS----		/	/----MOMENT IN IN-KIPS----		/	/---REMARKS---/
1010	-17.4794	-7.3109	269.6820	258.0022	-12565.9695	2063.6488	OBLIQUE
1010	-35.9634	40.9279	265.0034	-11159.1572	6140.1160	-31.4089	GLOBAL
1011	1.6917	-403.2098	2244.9640	-51260.9517	3070.3700	3207.0196	OBLIQUE
1011	683.4477	384.9192	2146.0625	23449.8903	-45651.3192	3668.3756	GLOBAL
1012	3.2453	426.0020	-1659.7717	50161.8003	3259.1052	3139.7341	OBLIQUE
1012	3.2453	727.9232	-1764.1044	50161.8002	2696.5925	3632.6082	GLOBAL
TOTAL	650.7296	1153.7702	646.9615	62452.5334	-36812.6107	7264.7749	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-10.1516	-268.6526	1419.5875	-30912.4969	-8715.7297	-705.8213	OBLIQUE
1010	-426.7190	257.9039	1356.0614	8101.6249	31014.0621	-2129.8388	GLOBAL
1011	11.4204	-263.5023	1436.6553	-31351.5240	9193.0352	453.4543	OBLIQUE
1011	424.1163	257.8672	1373.7939	7877.2542	-31650.3564	1959.4202	GLOBAL
1012	.5241	480.7751	-2184.3445	56521.1877	248.6335	-385.2077	OBLIQUE
1012	.5240	633.3376	-2075.5852	56521.1877	308.5784	-339.0915	GLOBAL
TOTAL	-2.0766	1349.1067	654.2201	72500.0668	-327.7159	-509.5100	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

PAGE 1
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-3.05	370.95	68.64	.72	-6.94	.01	-.19	4.16	8.27	.08	1.08	.428
		3.6	-3.05	106.41	57.37	.72	-5.22	.01	-.19	1.19	5.35	.08	.81	.232
		7.3	-3.05	-85.21	26.11	.72	-3.50	.01	-.19	-.93	2.44	.08	.54	.122
		10.9	-3.05	-197.94	-5.15	.72	-1.78	.01	-.19	-2.22	-.48	.08	.28	.095
		14.5	-3.05	-237.77	-36.42	.72	-.05	.01	-.19	-2.67	-3.40	.08	.01	.211
101- 104	W18- 1	0.0	-1.31	363.51	67.34	.70	-6.70	-.01	-.08	4.08	8.15	.08	1.04	.416
		3.6	-1.31	109.48	57.02	.70	-4.98	-.01	-.08	1.23	5.32	.08	.77	.227
		7.2	-1.31	-69.71	26.70	.70	-3.26	-.01	-.08	-.78	2.49	.08	.51	.115
		10.9	-1.31	-174.05	-3.62	.70	-1.54	-.01	-.08	-1.95	-.34	.08	.24	.077
		14.5	-1.31	-203.58	-33.94	.70	.18	-.01	-.08	-2.28	-3.17	.08	.03	.186
101- 201	DRL- 1	0.0	-14.64	-314.77	552.79	3.10	2.20	175.97	-.20	-1.00		.22	.22	.039
		3.8	-19.81	-215.00	413.22	3.10	2.20	175.97	-.22	-.73		.22	.22	.031
		7.5	-20.97	-116.83	273.66	3.10	2.20	175.97	-.23	-.47		.22	.22	.023
		11.3	-22.13	-17.86	134.09	3.10	2.20	175.97	-.24	-.21		.22	.22	.016
		15.0	-23.29	81.11	-5.48	3.10	2.20	175.97	-.26	-.13		.22	.22	.013
102- 103	W18- 1	0.0	-2.49	-238.57	-26.62	-.37	.28	-.02	-.15	-2.68	-2.48	.04	.04	.176
		3.6	-2.49	-149.05	-10.54	-.37	2.00	-.02	-.15	-2.12	-.98	.04	.31	.106
		7.3	-2.49	-64.64	5.55	-.37	3.72	-.02	-.15	-.73	.52	.04	.58	.047
		10.9	-2.49	134.64	21.63	-.37	5.44	-.02	-.15	1.51	2.02	.04	.85	.125
		14.5	-2.49	408.90	37.72	-.37	7.16	-.02	-.15	4.59	3.52	.04	1.11	.274
102- 104	W08- 1	0.0	-.11	-.76	-7.66	-.09	-.18	-.00	-.02	-.04	-1.37	.02	.09	.050
		3.6	-.11	-5.73	-3.70	-.09	-.09	-.00	-.02	-.32	-.66	.02	.05	.034
		7.2	-.11	-8.09	.26	-.09	-.01	-.00	-.02	-.43	.05	.02	.00	.016
		10.9	-.11	-7.23	4.22	-.09	.08	-.00	-.02	-.35	.75	.02	.04	.038
		14.5	-.11	-1.88	8.18	-.09	.17	-.00	-.02	-.09	1.46	.02	.09	.055
102- 105	W08- 1	0.0	-1.09	.82	-2.13	.00	-.15	.00	-.15	.04	-.38	.00	.08	.024
		3.6	-1.09	-3.89	-2.27	.00	-.06	.00	-.15	-.19	-.41	.00	.03	.030
		7.2	-1.09	-4.61	-2.41	.00	.02	.00	-.15	-.23	-.43	.00	.01	.032
		10.9	-1.09	-1.96	-2.55	.00	.11	.00	-.15	-.09	-.46	.00	.06	.029
		14.5	-1.09	4.68	-2.69	.00	.20	.00	-.15	.22	-.48	.00	.10	.034
103- 105	W18- 1	0.0	-4.14	471.75	-27.00	-.19	-7.48	-.00	-.26	5.29	-2.52	.02	1.16	.266
		3.6	-4.14	183.60	-18.94	-.19	-5.76	-.00	-.26	2.06	-1.77	.02	.89	.138
		7.2	-4.14	-29.31	-10.88	-.19	-4.04	-.00	-.26	-.33	-1.01	.02	.63	.056
		10.9	-4.14	-167.59	-2.82	-.19	-2.32	-.00	-.26	-1.88	-.26	.02	.36	.079
		14.5	-4.14	-231.03	5.24	-.19	-.60	-.00	-.26	-2.59	.49	.02	.09	.110
103- 203	DRL- 1	0.0	-19.65	-408.51	-644.86	-4.40	4.05	-64.71	-.22	-1.19		.18	.18	.046
		3.8	-20.81	-226.44	-447.06	-4.40	4.05	-64.71	-.23	-.78		.18	.18	.033
		7.5	-21.97	-44.37	-249.25	-4.40	4.05	-64.71	-.24	-.40		.18	.18	.021
		11.3	-23.14	137.70	-51.45	-4.40	4.05	-64.71	-.25	-.23		.18	.18	.016
		15.0	-24.30	319.77	146.36	-4.40	4.05	-64.71	-.27	-.55		.18	.18	.027

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
104- 105	W8- 1	0.0	1.20	1.61	-3.19	-.01	-.21	.01	.17	.09	-.57	.00	.11	.029
		3.6	1.20	-5.50	-2.93	-.01	-.12	.01	.17	-.26	-.52	.00	.07	.033
		7.3	1.20	-9.02	-2.67	-.01	-.04	.01	.17	-.43	-.48	.00	.02	.036
		10.9	1.20	-6.76	-2.41	-.01	.05	.01	.17	-.42	-.43	.00	.03	.034
		14.5	1.20	-4.72	-2.15	-.01	.14	.01	.17	-.23	-.38	.00	.07	.026
104- 106	W18- 1	0.0	-2.05	-205.43	-22.57	-.28	.56	-.01	-.13	-2.31	-2.11	.03	.09	.152
		3.6	-2.05	-103.59	-10.21	-.28	2.28	-.01	-.13	-1.61	-.95	.03	.35	.089
		7.3	-2.05	-6.81	2.14	-.28	4.00	-.01	-.13	-.08	.20	.03	.62	.015
		10.9	-2.05	204.68	14.50	-.28	5.73	-.01	-.13	2.30	1.35	.03	.89	.125
		14.5	-2.05	497.64	26.86	-.28	12.45	-.01	-.13	5.58	2.51	.03	1.93	.269
105- 106	W18- 1	0.0	-5.28	-226.35	.39	-.09	-.27	-.05	-.33	-2.54	.04	.01	.04	.096
		3.6	-5.28	-200.45	4.22	-.09	1.46	-.05	-.33	-2.25	.39	.01	.23	.099
		7.3	-5.28	-99.64	8.04	-.09	3.18	-.05	-.33	-1.12	.75	.01	.49	.075
		10.9	-5.28	76.09	11.87	-.09	4.90	-.05	-.33	.85	1.11	.01	.76	.079
		14.5	-5.28	325.75	15.69	-.09	6.62	-.05	-.33	3.67	1.46	.01	1.03	.181
106- 206	UKL- 1	0.0	-14.86	714.00	-85.49	-3.80	-15.08	-42.55	-.16	-1.12		.37	.37	.042
		3.8	-16.02	35.62	85.71	-3.80	-15.08	-42.55	-.18	-.15		.37	.37	.011
		7.5	-17.18	-642.75	256.91	-3.80	-15.08	-42.55	-.19	-1.08		.37	.37	.041
		11.3	-18.35	-1321.13	428.11	-3.80	-15.08	-42.55	-.20	-2.17		.37	.37	.076
		15.0	-19.51	-1999.51	599.31	-3.80	-15.08	-42.55	-.21	-3.27		.37	.37	.111
201- 202	W18- 1	0.0	25.32	573.51	93.44	.77	-10.01	.04	1.56	6.44	8.72	.09	1.55	.562
		3.6	25.32	192.29	60.03	.77	-7.52	.04	1.56	2.16	5.60	.09	1.17	.318
		7.3	25.32	-80.92	26.61	.77	-5.04	.04	1.56	-.91	2.48	.09	.78	.170
		10.9	25.32	-246.11	-6.81	.77	-2.56	.04	1.56	-2.76	-.63	.09	.40	.164
		14.5	25.32	-305.28	-40.22	.77	-.07	.04	1.56	-3.40	-3.75	.09	.01	.293
201- 204	W18- 1	0.0	-52.03	640.68	92.66	.76	-10.43	-.02	-3.21	7.19	8.64	.09	1.62	.664
		3.6	-52.03	240.95	59.52	.76	-7.95	-.02	-3.21	2.70	5.55	.09	1.23	.414
		7.2	-52.03	-50.67	26.39	.76	-5.47	-.02	-3.21	-.57	2.46	.09	.85	.239
		10.9	-52.03	-234.76	-6.75	.76	-2.99	-.02	-3.21	-2.63	-.63	.09	.46	.240
		14.5	-52.03	-310.73	-39.89	.76	-.51	-.02	-3.21	-3.49	-3.72	.09	.08	.375
201- 301	UKL- 1	0.0	-58.87	-422.25	1331.74	10.91	53.39	230.19	-.65	-2.19		1.38	1.38	.093
		3.8	-60.03	1980.30	840.78	10.91	53.39	230.19	-.66	-3.37		1.38	1.38	.130
		7.5	-61.20	4362.66	349.81	10.91	53.39	230.19	-.67	-6.86		1.38	1.38	.242
		11.3	-62.36	6755.64	-158.14	12.15	51.23	230.19	-.68	-10.57		1.34	1.34	.359
		15.0	-62.96	8947.81	-770.42	15.23	45.90	230.19	-.69	-14.05		1.24	1.24	.470
201- 303	120- 1	0.0	-.62	443.21	-140.77	-3.84	-4.60	14.91	-.02	-5.80		.52	.52	.185
		8.2	-.98	26.52	235.56	-3.84	-3.91	14.91	-.03	-2.96		.48	.48	.095
		16.3	-1.34	-322.00	611.86	-3.84	-3.21	14.91	-.05	-8.63		.45	.45	.276
		24.5	-1.69	-230.96	482.28	6.50	6.30	14.91	-.06	-6.67		.84	.84	.214
		32.6	-1.94	944.21	-1143.63	24.69	17.64	14.91	-.07	-18.50		2.25	2.25	.589

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203	W16- 1	0.0	25.97	-305.75	-29.84	-.42	.27	-.04	1.60	-3.43	-2.78	.05	.04	.261
		3.6	25.97	-239.80	-11.74	-.42	2.76	-.04	1.60	-2.69	-1.10	.05	.43	.179
		7.3	25.97	-65.84	6.35	-.42	5.24	-.04	1.60	-.74	.59	.05	.81	.100
		10.9	25.97	216.13	24.45	-.42	7.72	-.04	1.60	2.43	2.28	.05	1.20	.212
		14.5	25.97	606.12	42.54	-.42	10.21	-.04	1.60	6.80	3.97	.05	1.59	.409
202- 204	W08- 1	0.0	-.08	-2.42	-8.57	-.10	-.18	-.00	-.01	-.12	-1.53	.02	.09	.058
		3.6	-.08	-8.23	-4.34	-.10	-.09	-.00	-.01	-.40	-.77	.02	.05	.040
		7.2	-.08	-10.27	-.11	-.10	-.00	-.00	-.01	-.49	-.02	.02	.00	.017
		10.9	-.08	-8.52	4.12	-.10	.08	-.00	-.01	-.41	.74	.02	.04	.039
		14.5	-.08	-2.99	8.35	-.10	.17	-.00	-.01	-.14	1.49	.02	.09	.057
202- 205	W08- 1	0.0	-1.22	2.51	-1.82	.02	-.17	-.00	-.17	.12	-.32	.00	.09	.026
		3.6	-1.22	-2.99	-2.60	.02	-.08	-.00	-.17	-.14	-.46	.00	.04	.032
		7.2	-1.22	-4.70	-3.38	.02	.00	-.00	-.17	-.23	-.60	.00	.00	.039
		10.9	-1.22	-2.64	-4.16	.02	.09	-.00	-.17	-.13	-.74	.00	.05	.041
		14.5	-1.22	3.21	-4.94	.02	.18	-.00	-.17	.15	-.88	.00	.09	.047
203- 205	W21- 1	0.0	39.61	1665.33	-53.85	-.34	-26.13	-.02	1.84	11.05	-3.17	.03	2.70	.524
		3.6	39.61	661.00	-39.06	-.34	-20.07	-.02	1.84	4.39	-2.30	.03	2.08	.283
		7.2	39.61	-79.76	-24.27	-.34	-14.01	-.02	1.84	-.53	-1.43	.03	1.45	.131
		10.9	39.61	-556.94	-9.48	-.34	-7.94	-.02	1.84	-3.70	-.56	.03	.82	.201
		14.5	39.61	-770.54	5.31	-.34	-1.86	-.02	1.84	-5.11	.31	.03	.20	.237
203- 303	DRL- 1	0.0	-6.29	-1135.97	-1116.24	-14.65	70.20	-386.45	-.07	-2.49		1.88	1.88	.081
		3.8	-7.45	2023.01	-456.84	-14.65	70.20	-386.45	-.08	-3.24		1.88	1.88	.106
		7.5	-8.61	5181.72	202.40	-14.57	70.05	-386.45	-.09	-8.11		1.87	1.87	.260
		11.3	-9.77	8271.74	822.39	-12.79	66.95	-386.45	-.11	-13.00		1.80	1.80	.415
		15.0	-10.37	11177.91	1336.84	-9.95	62.00	-386.45	-.11	-17.61		1.68	1.68	.561
203- 306	120- 1	0.0	-129.10	-76.43	-273.53	-1.16	.03	-38.30	-4.57	-3.54		.32	.32	.364
		8.2	-129.46	-39.30	-160.11	-1.16	.73	-38.30	-4.58	-2.06		.34	.34	.315
		16.3	-129.82	65.98	-46.70	-1.16	1.42	-38.30	-4.59	-1.01		.37	.37	.280
		24.5	-130.18	239.42	66.72	-1.16	2.12	-38.30	-4.60	-3.10		.41	.41	.344
		32.6	-130.44	327.07	180.02	-1.15	-1.70	-38.30	-4.61	-4.66		.38	.38	.395
204- 205	W08- 1	0.0	1.32	2.08	-1.40	.02	-.21	.01	.19	.14	-.25	.00	.11	.020
		3.6	1.32	-4.40	-2.34	.02	-.12	.01	.19	-.21	-.42	.01	.07	.028
		7.3	1.32	-7.90	-3.27	.02	-.04	.01	.19	-.38	-.58	.01	.02	.039
		10.9	1.32	-7.60	-4.21	.02	.05	.01	.19	-.37	-.75	.01	.03	.044
		14.5	1.32	-3.53	-5.14	.02	.14	.01	.19	-.17	-.92	.01	.07	.044
204- 206	W16- 1	0.0	-52.79	-313.67	-30.13	-.39	-.13	-.02	-3.26	-3.52	-2.81	.05	.02	.346
		3.6	-52.79	-265.08	-13.25	-.39	2.36	-.02	-3.26	-2.97	-1.24	.05	.37	.274
		7.3	-52.79	-108.45	3.64	-.39	4.84	-.02	-3.26	-1.22	.34	.05	.75	.197
		10.9	-52.79	156.24	20.52	-.39	7.33	-.02	-3.26	1.75	1.91	.05	1.14	.259
		14.5	-52.79	535.11	37.41	-.39	14.81	-.02	-3.26	6.00	3.49	.05	2.30	.449

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE FY KIPS	----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ----KSI	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
205- 206	621- 1	0.0	38.31	-767.17	-4.77	-.27	-1.57	-.01	1.78	-5.09	-.28	.02	.16	.233
		3.5	38.31	-703.37	7.15	-.27	4.50	-.01	1.78	-4.67	.42	.02	.47	.224
		7.3	38.31	-575.72	19.08	-.27	10.56	-.01	1.78	-2.49	1.12	.02	1.09	.180
		10.9	38.31	215.85	31.00	-.27	16.63	-.01	1.78	1.43	1.82	.02	1.72	.171
		14.5	38.31	1071.32	42.92	-.27	22.70	-.01	1.78	7.11	2.52	.02	2.35	.375
205- 301	120- 1	0.0	120.34	307.58	247.69	2.82	-3.29	10.37	4.26	4.93		.37	.37	.304
		8.2	117.98	19.28	-28.61	2.82	-2.59	10.37	4.24	.43		.34	.34	.161
		16.3	119.62	-200.06	-304.90	2.82	-1.90	10.37	4.23	4.55		.31	.31	.291
		24.5	119.26	-320.04	-540.63	-.32	.65	10.37	4.22	7.89		.12	.12	.397
		32.6	118.98	179.81	282.13	-17.52	10.06	10.37	4.21	4.17		1.49	1.49	.279
206- 306	DKL- 1	0.0	-115.23	-280.53	820.17	5.21	62.27	92.35	-1.26	-1.36		1.44	1.44	.089
		3.8	-116.39	2521.02	505.55	5.21	62.27	92.35	-1.28	-4.05		1.44	1.44	.174
		7.5	-117.55	5324.17	350.92	5.21	62.27	92.35	-1.29	-8.35		1.44	1.44	.311
		11.3	-118.71	8126.52	116.30	5.21	62.27	92.35	-1.30	-12.71		1.44	1.44	.450
		15.0	-119.31	10925.27	-118.67	5.38	61.99	92.35	-1.31	-17.10		1.44	1.44	.588
301- 303	123- 1	0.0	-49.35	177.42	-537.75	-14.40	-2.59	10.70	-2.56	-9.98		1.61	1.61	.429
		7.3	-49.35	-1.51	379.91	-6.59	-1.49	10.70	-2.56	-6.61		.80	.80	.323
		14.5	-49.35	-77.00	611.09	1.15	-.21	10.70	-2.56	-10.86		.22	.22	.457
		21.7	-49.35	-33.28	175.53	8.65	1.25	10.70	-2.56	-3.15		1.02	1.02	.213
		29.0	-49.35	145.42	-927.06	16.49	2.89	10.70	-2.56	-16.55		1.83	1.83	.637
301- 306	123- 1	0.0	-91.99	-356.53	-505.03	-13.80	1.06	-2.60	-4.78	-10.92		1.46	1.46	.537
		7.2	-92.01	-223.56	358.85	-6.10	1.98	-2.60	-4.78	-7.45		.69	.69	.454
		14.5	-92.01	-19.64	561.79	1.39	2.56	-2.60	-4.78	-9.91		.34	.34	.507
		21.7	-92.03	233.61	123.89	8.57	3.12	-2.60	-4.78	-4.66		.97	.97	.351
		29.0	-92.03	510.85	-886.14	14.37	3.18	-2.60	-4.78	-18.04		1.55	1.55	.750
301- 401	DKL- 1	0.0	-139.76	9025.74	-800.35	-19.94	-27.77	-1058.41	-1.53	-14.17		1.58	1.58	.507
		7.1	-139.75	6147.41	613.52	-13.03	-39.72	-1058.41	-1.53	-9.66		1.75	1.75	.364
		14.2	-139.72	2195.06	1406.63	-5.40	-52.92	-1058.41	-1.53	-4.08		2.00	2.00	.188
		21.4	-139.69	-2885.73	1546.59	1.90	-65.55	-1058.41	-1.53	-5.12		2.27	2.27	.221
		28.5	-139.66	-8945.07	1120.00	7.85	-75.79	-1058.41	-1.53	-14.10		2.50	2.50	.525
303- 306	123- 1	0.0	80.53	-355.37	-283.00	-1.48	.16	-3.09	4.19	8.01		.18	.18	.399
		7.2	80.53	-270.79	-153.97	-1.48	1.73	-3.09	4.19	5.49		.26	.26	.319
		14.5	80.53	-64.33	-24.94	-1.48	2.95	-3.09	4.19	1.22		.37	.37	.144
		21.7	80.53	224.66	104.09	-1.48	3.73	-3.09	4.19	4.45		.44	.44	.286
		29.0	80.53	566.65	233.12	-1.48	3.91	-3.09	4.19	10.80		.46	.46	.488
303- 403	DKL- 1	0.0	-29.66	10982.03	427.59	-11.36	-48.38	1280.24	-.33	-17.19		2.09	2.09	.557
		7.1	-29.63	6361.02	1120.40	-4.01	-60.10	1280.24	-.33	-10.10		2.32	2.32	.332
		14.2	-29.60	653.27	1165.41	3.07	-73.39	1280.24	-.32	-2.12		2.61	2.61	.079
		21.4	-29.58	-6155.21	615.40	10.11	-85.61	1280.24	-.32	-9.68		2.89	2.89	.319
		28.5	-29.55	-13913.34	-502.10	15.76	-95.41	1280.24	-.32	-21.78		3.12	3.12	.702

S T R A N   M E M B E R   D E T A I L   R E P O R T

DATE 08/27/76

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MRL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
306- 406	DKL- 1	0.0	-184.83	12120.50	110.04	-12.44	-57.46	567.85	-2.03	-18.96		1.74	1.74	.677
		7.1	-184.80	6637.27	961.07	-7.20	-66.58	567.85	-2.03	-10.80		1.91	1.91	.419
		14.2	-184.77	655.49	1294.28	-.32	-78.49	567.85	-2.03	-2.27		2.17	2.17	.149
		21.4	-184.74	-6595.92	1009.68	6.78	-90.78	567.85	-2.03	-10.44		2.44	2.44	.408
		28.5	-184.71	-14809.84	167.67	12.72	-101.01	567.85	-2.03	-23.17		2.68	2.68	.811
401- 501	JL4- 1	0.0	-41.85	2025.84	21969.91	-54.91	30.40	3.80	-.29	-13.86		.86	.88	.449
		1.1	-42.31	2443.54	22740.23	-57.04	30.64	3.80	-.30	-14.37		.91	.91	.465
		2.3	-42.78	2863.50	23547.54	-60.31	30.87	3.80	-.30	-14.90		.95	.95	.482
		3.4	-43.25	3288.66	24391.07	-62.93	31.10	3.80	-.30	-15.46		.98	.98	.500
		4.6	-43.73	3715.97	25270.03	-65.48	31.33	3.80	-.31	-16.05		1.02	1.02	.518
401- 510	P1- 1	0.0	-90.70	3469.71	-12174.65	-19.09	23.75	557.61	-.41	-5.92		.41	.41	.202
		1.1	-91.44	3794.99	-11913.89	-19.09	23.88	557.61	-.41	-5.85		.41	.41	.200
		2.3	-92.17	4121.94	-11653.15	-19.09	24.00	557.61	-.42	-5.78		.41	.41	.198
		3.4	-92.91	4450.58	-11392.40	-19.09	24.12	557.61	-.42	-5.72		.41	.41	.196
		4.6	-93.64	4780.89	-11131.66	-19.09	24.25	557.61	-.42	-5.67		.41	.41	.194
403- 503	JL4- 1	0.0	-1757.48	2135.41	-11438.59	38.71	141.43	-479.83	-12.30	-7.31		2.20	2.20	.659
		1.1	-1757.96	4096.91	-11976.61	39.90	143.71	-479.83	-12.30	-7.95		2.24	2.24	.680
		2.3	-1758.43	6069.27	-12530.69	41.06	145.94	-479.83	-12.30	-8.75		2.27	2.27	.705
		3.4	-1758.90	8081.81	-13100.45	42.19	148.12	-479.83	-12.30	-9.67		2.31	2.31	.734
		4.6	-1759.37	10123.85	-13685.52	43.29	150.24	-479.83	-12.31	-10.69		2.34	2.34	.767
403- 511	P1- 1	0.0	1857.94	7576.67	-1638.19	-1.42	27.92	-410.72	8.40	3.63		.35	.35	.407
		1.1	1857.20	7958.67	-1618.85	-1.42	28.04	-410.72	8.39	3.80		.35	.35	.412
		2.3	1856.47	8342.75	-1599.52	-1.42	28.17	-410.72	8.39	3.97		.35	.35	.418
		3.4	1855.74	8728.31	-1580.19	-1.42	28.29	-410.72	8.39	4.15		.35	.35	.423
		4.6	1855.00	9115.55	-1560.86	-1.42	28.41	-410.72	8.38	4.33		.35	.35	.429
406- 506	JL4- 1	0.0	2005.73	-6189.80	-1563.77	12.83	-95.24	84.18	14.03	4.01		1.37	1.37	.615
		1.1	2005.25	-7509.00	-1769.28	14.28	-97.53	84.18	14.03	4.85		1.41	1.41	.642
		2.3	2004.77	-8859.17	-1974.39	15.69	-99.76	84.18	14.03	5.70		1.44	1.44	.669
		3.4	2004.30	-10239.57	-2198.70	17.08	-101.95	84.18	14.02	6.58		1.47	1.47	.696
		4.6	2003.83	-11649.52	-2441.81	18.44	-104.08	84.18	14.02	7.48		1.51	1.51	.725
406- 512	P1- 1	0.0	-2205.18	-10869.64	374.57	2.19	22.83	290.13	-9.97	-5.09		.28	.28	.508
		1.1	-2205.92	-10556.97	344.72	2.19	22.96	290.13	-9.97	-4.94		.28	.29	.503
		2.3	-2206.65	-10242.62	314.86	2.19	23.08	290.13	-9.97	-4.79		.28	.28	.499
		3.4	-2207.39	-9926.60	285.01	2.19	23.20	290.13	-9.98	-4.64		.28	.28	.494
		4.6	-2208.12	-9608.90	255.16	2.19	23.32	290.13	-9.98	-4.50		.28	.28	.490
501- 502	105- 1	0.0	-52.29	451.00	683.95	3.25	-3.46	-227.25	-1.73	-8.88		1.33	1.33	.347
		3.8	-52.29	301.82	664.74	5.52	-3.10	-227.25	-1.73	-6.70		1.44	1.44	.278
		7.6	-52.29	169.07	362.24	7.79	-2.74	-227.25	-1.73	-3.74		1.56	1.56	.185
		11.4	-52.29	53.20	-23.54	10.06	-2.36	-227.25	-1.73	-.52		1.70	1.70	.083
		15.1	-52.29	-45.37	-552.61	12.34	-1.98	-227.25	-1.73	-4.79		1.85	1.85	.218

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	165- 1	0.0	-270.20	-743.49	847.66	3.71	2.64	-163.54	-8.95	-10.10		1.03	1.03	.631
		3.8	-270.19	-615.56	627.35	5.98	2.98	-163.54	-8.95	-7.87		1.18	1.18	.563
		7.6	-270.19	-472.48	303.67	8.26	3.31	-163.54	-8.95	-5.03		1.32	1.32	.482
		11.4	-270.19	-315.10	-123.39	10.53	3.61	-163.54	-8.95	-3.03		1.47	1.47	.426
		15.2	-270.19	-144.29	-653.82	12.80	3.90	-163.54	-8.95	-5.99		1.62	1.62	.511
501- 601	JL5- 1	0.0	-220.80	3689.09	22672.88	136.65	-1.09	301.10	-1.54	-14.43		2.04	2.04	.511
		1.5	-221.44	3672.66	20169.96	135.53	-.80	301.10	-1.55	-12.88		1.99	1.99	.462
		3.0	-222.07	3660.79	17726.68	132.31	-.50	301.10	-1.55	-11.37		1.95	1.95	.414
		4.6	-222.71	3654.26	15341.15	129.19	-.21	301.10	-1.56	-9.91		1.90	1.90	.368
		6.1	-223.34	3653.04	13011.60	126.18	.08	301.10	-1.56	-8.49		1.86	1.86	.324
501- 642	200- 1	0.0	264.66	905.90	-1045.46	-13.86	-8.60	-205.95	6.96	7.75		1.43	1.43	.487
		5.1	264.68	440.34	-315.65	-10.24	-6.74	-205.95	6.96	3.03		1.22	1.22	.338
		10.1	264.72	85.09	202.08	-6.64	-4.97	-205.95	6.96	1.23		1.02	1.02	.281
		15.2	264.77	-164.77	520.17	-3.66	-3.27	-205.95	6.96	3.05		.83	.83	.339
		20.2	264.82	-315.30	651.09	-.69	-1.63	-205.95	6.96	4.04		.67	.67	.370
502- 503	165- 1	0.0	-30.64	28.47	-165.10	-3.00	-3.10	108.37	-1.02	-1.50		.81	.81	.036
		3.8	-30.64	-103.72	-43.72	-1.54	-2.71	108.37	-1.02	-1.01		.69	.69	.071
		7.6	-30.64	-216.17	-24.77	.70	-2.32	108.37	-1.02	-1.97		.65	.65	.101
		11.4	-30.64	-314.89	-107.39	2.93	-1.93	108.37	-1.02	-2.98		.72	.72	.133
		15.1	-30.64	-393.69	-290.70	5.13	-1.54	108.37	-1.02	-4.38		.84	.84	.177
502- 504	125- 1	0.0	6.44	-114.47	-143.96	-1.23	.61	101.33	.33	3.24		1.04	1.04	.114
		3.8	6.44	-80.78	-87.88	-1.23	.87	101.33	.33	2.10		1.05	1.05	.078
		7.6	6.44	-36.07	-31.51	-1.23	1.10	101.33	.33	.85		1.07	1.07	.038
		11.4	6.44	18.79	24.27	-1.23	1.31	101.33	.33	.54		1.08	1.08	.029
		15.1	6.44	82.94	80.34	-1.23	1.51	101.33	.33	2.04		1.10	1.10	.076
502- 505	125- 1	0.0	-26.95	-182.59	-223.55	-4.49	.51	-55.39	-1.40	-5.09		.96	.96	.215
		3.8	-26.94	-153.37	-61.09	-2.66	.77	-55.39	-1.40	-2.91		.78	.78	.146
		7.6	-26.94	-112.70	18.51	-.64	1.02	-55.39	-1.40	-2.01		.63	.63	.117
		11.4	-26.95	-61.02	15.62	.97	1.26	-55.39	-1.40	-1.11		.65	.65	.089
		15.1	-26.95	1.25	-69.40	2.77	1.48	-55.39	-1.40	-1.22		.82	.82	.092
503- 505	165- 1	0.0	181.77	-903.14	203.11	2.21	3.94	23.21	6.02	8.29		.40	.40	.472
		3.8	181.77	-715.23	102.72	2.21	4.35	23.21	6.02	6.47		.43	.43	.414
		7.6	181.77	-510.02	2.33	2.21	4.70	23.21	6.02	4.57		.45	.45	.354
		11.4	181.77	-287.93	-98.05	2.21	5.07	23.21	6.02	2.72		.47	.47	.296
		15.2	181.77	-49.40	-198.44	2.21	5.42	23.21	6.02	1.83		.49	.49	.268
503- 603	JL5- 1	0.0	-1391.38	8962.73	-12490.84	-84.02	-59.79	-169.81	-9.73	-9.66		1.50	1.50	.644
		1.5	-1392.02	7897.09	-10970.86	-82.60	-57.05	-169.81	-9.74	-8.49		1.46	1.46	.608
		3.0	-1392.65	6880.93	-9476.38	-81.23	-54.36	-169.81	-9.74	-7.36		1.42	1.42	.572
		4.6	-1393.28	5912.76	-8006.54	-79.90	-51.76	-169.81	-9.75	-6.25		1.39	1.39	.537
		6.1	-1393.91	4991.10	-6560.52	-78.62	-49.27	-169.81	-9.75	-5.18		1.35	1.35	.503

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
503- 645	200- 1	0.0	-558.51	-1497.84	-141.95	-1.22	11.06	-16.13	-14.68	-8.42		.63	.63	.791
		5.1	-558.49	-884.56	-75.04	-.98	9.15	-16.13	-14.68	-4.97		.53	.53	.693
		10.1	-558.46	-385.65	-22.93	-.74	7.29	-16.13	-14.68	-2.16		.43	.43	.612
		15.2	-558.41	2.33	14.84	-.50	5.49	-16.13	-14.68	-.08		.34	.34	.553
		20.2	-558.38	283.51	37.90	-.26	3.78	-16.13	-14.68	-1.60		.24	.24	.596
504- 505	125- 1	0.0	19.43	150.61	-84.83	-3.35	-.86	-29.75	1.01	3.17		.62	.62	.136
		3.8	19.43	122.00	22.01	-1.53	-.67	-29.75	1.01	2.19		.44	.44	.104
		7.5	19.43	95.25	50.34	.28	-.47	-29.75	1.01	1.92		.32	.32	.096
		11.4	19.43	79.77	-3.86	2.10	-.26	-29.75	1.01	1.41		.48	.48	.080
		15.1	19.43	73.01	-140.56	3.92	-.04	-29.75	1.01	2.79		.67	.67	.124
504- 506	165- 1	0.0	-287.86	-243.10	-464.65	-8.70	6.26	109.59	-9.30	-4.85		1.20	1.20	.492
		3.8	-287.86	47.01	-141.00	-6.43	6.53	109.59	-9.30	-1.33		1.10	1.10	.393
		7.6	-287.85	359.03	99.94	-4.18	6.76	109.59	-9.30	-3.26		1.02	1.02	.446
		11.4	-287.84	663.29	238.74	-1.94	7.01	109.59	-9.30	-6.31		.97	.97	.531
		15.1	-287.83	986.55	276.01	.29	7.22	109.59	-9.30	-9.17		.97	.97	.614
505- 506	165- 1	0.0	152.77	-159.00	-408.41	-4.97	6.87	-53.99	5.06	3.92		.80	.80	.300
		3.8	152.77	160.08	-182.50	-4.97	7.20	-53.99	5.06	2.18		.82	.82	.245
		7.6	152.77	495.05	43.40	-4.97	7.50	-53.99	5.06	4.45		.84	.84	.317
		11.4	152.77	841.75	269.31	-4.97	7.76	-53.99	5.06	7.91		.85	.85	.427
		15.1	152.77	1199.35	495.22	-4.97	7.96	-53.99	5.06	11.62		.86	.86	.544
506- 626	305- 1	0.0	1775.97	-8242.91	-2057.63	-17.01	53.82	379.50	12.42	5.34		.91	.91	.601
		1.5	1775.33	-7280.46	-1763.61	-15.24	51.05	379.50	12.42	4.71		.86	.86	.581
		3.0	1774.69	-6379.81	-1501.34	-13.52	48.36	379.50	12.42	4.12		.82	.82	.562
		4.6	1774.05	-5521.29	-1269.85	-11.66	45.77	379.50	12.41	3.56		.78	.78	.545
		6.1	1773.42	-4709.36	-1068.18	-10.26	43.26	379.50	12.41	3.03		.74	.74	.528
506- 644	200- 1	0.0	399.37	1036.37	1554.80	16.97	-7.68	152.49	10.26	10.46		1.41	1.41	.688
		5.1	399.40	612.66	641.40	13.15	-6.20	152.49	10.26	4.96		1.19	1.19	.514
		10.1	399.41	273.66	-46.32	9.53	-4.89	152.49	10.26	1.55		.99	.99	.406
		15.2	399.42	18.41	-519.94	6.09	-3.53	152.49	10.26	2.91		.80	.80	.449
		20.2	399.46	-155.70	-789.61	2.62	-2.22	152.49	10.26	4.50		.62	.62	.500
510- 710	PI- 1	.0	-93.84	4849.76	-11103.95	-19.23	-14.39	1252.33	-.42	-5.67		.51	.51	.195
		6.3	-97.93	3781.51	-9641.71	-19.23	-13.71	1252.33	-.44	-4.84		.51	.51	.170
		12.7	-102.02	2765.06	-8179.47	-19.23	-13.03	1252.33	-.46	-4.04		.50	.50	.145
		19.0	-106.11	1800.40	-6717.24	-19.23	-12.35	1252.33	-.48	-3.25		.50	.50	.121
		25.3	-110.19	887.53	-5255.00	-19.23	-11.67	1252.33	-.50	-2.49		.50	.50	.097
511- 711	PI- 1	.0	1854.65	9195.18	-1618.47	.08	-48.19	-305.03	- 8.38	4.33		.51	.51	.429
		6.3	1850.56	5466.09	-1685.16	.08	-47.51	-305.03	8.36	2.68		.50	.50	.376
		12.7	1846.47	1879.97	-1751.80	.08	-46.83	-305.03	8.34	1.20		.49	.49	.328
		19.0	1842.38	-1654.91	-1818.55	.08	-46.15	-305.03	8.33	1.15		.49	.49	.326
		25.4	1838.30	-5138.02	-1885.24	.08	-45.47	-305.03	8.31	2.56		.48	.48	.370

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	-2208.02	-9608.90	254.38	2.19	43.17	457.71	-9.98	-4.50		.50	.50	.490
		6.3	-2212.11	-6300.74	88.17	2.19	43.85	457.71	-10.00	-2.95		.50	.50	.448
		12.7	-2216.20	-2940.74	-78.05	2.19	44.53	457.71	-10.02	-1.38		.51	.51	.405
		19.0	-2220.29	471.11	-244.26	2.19	45.21	457.71	-10.03	-.25		.52	.52	.375
		25.3	-2224.38	3934.79	-410.47	2.19	45.89	457.71	-10.05	-1.85		.52	.52	.419
601- 641	JL6- 1	0.0	-235.05	3426.62	12552.71	105.94	-9.62	1083.96	-1.64	-8.17		1.80	1.80	.316
		1.5	-235.69	3253.48	10662.69	101.01	-9.35	1083.96	-1.65	-7.02		1.76	1.76	.280
		3.0	-236.33	3085.32	8865.52	98.15	-9.08	1083.96	-1.65	-5.90		1.72	1.72	.245
		4.6	-236.96	2922.12	7099.76	95.37	-8.81	1083.96	-1.66	-4.82		1.68	1.68	.211
		6.1	-237.60	2763.75	5364.11	92.67	-8.55	1083.96	-1.66	-3.80		1.64	1.64	.179
603- 643	JL6- 1	0.0	-1400.06	4854.61	-6431.58	-62.66	-50.05	-429.19	-9.79	-5.06		1.26	1.26	.501
		1.5	-1400.69	3963.71	-5299.48	-61.41	-47.62	-429.19	-9.80	-4.16		1.22	1.22	.473
		3.0	-1401.33	3116.47	-4190.03	-60.18	-45.24	-429.19	-9.80	-3.28		1.19	1.19	.445
		4.6	-1401.96	2311.90	-3102.61	-58.99	-42.94	-429.19	-9.81	-2.43		1.16	1.16	.418
		6.1	-1402.59	1548.77	-2036.48	-57.85	-40.71	-429.19	-9.81	-1.61		1.12	1.12	.392
606- 646	JL6- 1	0.0	1773.55	-4709.36	-1069.41	-10.26	37.51	376.04	12.41	3.03		.66	.66	.528
		1.5	1772.92	-4047.08	-896.52	-8.69	35.07	376.04	12.40	2.60		.62	.62	.514
		3.0	1772.29	-3428.74	-751.61	-7.17	32.69	376.04	12.40	2.21		.59	.59	.501
		4.6	1771.65	-2853.21	-634.59	-5.68	30.38	376.04	12.39	1.84		.55	.55	.490
		6.1	1771.02	-2319.22	-544.16	-4.24	28.15	376.04	12.39	1.50		.52	.52	.479
641- 651	JL6- 1	0.0	-237.60	2763.75	5364.11	92.67	-8.55	1083.96	-1.66	-3.80		1.64	1.64	.179
		1.5	-238.23	2611.59	3729.01	88.73	-8.13	1083.96	-1.67	-2.86		1.59	1.59	.149
		3.0	-238.86	2467.09	2144.77	84.90	-7.71	1083.96	-1.67	-2.05		1.53	1.53	.124
		4.6	-239.49	2330.18	629.39	81.18	-7.30	1083.96	-1.68	-1.52		1.48	1.48	.107
		6.1	-240.12	2200.72	-818.85	77.56	-6.89	1083.96	-1.68	-1.48		1.43	1.43	.106
642- 703	200- 1	0.0	264.82	-313.26	651.08	-.65	-1.59	-206.03	6.96	4.04		.67	.67	.370
		5.5	264.86	-341.45	541.38	3.93	.71	-206.03	6.96	3.58		.79	.79	.356
		11.0	264.88	-222.66	140.61	8.20	2.87	-206.03	6.96	1.47		1.03	1.03	.289
		16.4	264.92	33.79	-531.55	12.19	4.90	-206.03	6.96	2.98		1.27	1.27	.337
		21.9	264.96	419.14	-1457.45	15.92	6.78	-206.03	6.96	6.49		1.49	1.49	.511
643- 653	JL5- 1	0.0	-1402.59	1548.77	-2036.48	-57.65	-40.71	-429.19	-9.81	-1.61		1.12	1.12	.392
		1.5	-1403.23	834.10	-994.90	-56.30	-37.63	-429.19	-9.82	-.82		1.08	1.08	.368
		3.0	-1403.87	174.81	18.87	-54.80	-34.64	-429.19	-9.82	-.11		1.04	1.04	.348
		4.6	-1404.51	-430.64	1005.71	-53.35	-31.73	-429.19	-9.83	-.69		1.00	1.00	.364
		6.1	-1405.14	-983.65	1966.50	-51.95	-28.92	-429.19	-9.83	-1.38		.97	.97	.386
644- 701	200- 1	0.0	390.46	-155.62	-769.68	2.74	-2.34	152.21	10.26	4.50		.62	.62	.500
		5.5	390.50	-248.65	-804.96	-2.23	-.50	152.21	10.26	4.71		.55	.55	.507
		11.0	390.54	-225.17	-501.61	-6.94	1.26	152.21	10.27	3.07		.80	.80	.455
		16.5	390.57	-84.40	102.86	-11.38	2.94	152.21	10.27	.74		1.04	1.04	.381
		21.9	390.61	161.43	990.94	-15.56	4.52	152.21	10.27	5.62		1.28	1.28	.535

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
645- 706	200- 1	0.0	-558.38	283.52	37.84	-.43	3.71	-16.23	-14.68	-1.60		.24	.24	.601
		5.5	-558.34	432.11	54.59	-.09	.83	-16.23	-14.68	-2.44		.09	.09	.625
		11.0	-558.31	395.36	50.45	.21	-1.92	-16.23	-14.68	-2.23		.15	.15	.619
		16.4	-558.28	183.13	26.80	.51	-4.51	-16.23	-14.67	-1.04		.28	.28	.585
		21.9	-558.25	-194.47	-16.34	.80	-6.94	-16.23	-14.67	-1.09		.41	.41	.586
646- 656	JL6- 1	0.0	1770.97	-2319.22	-543.55	-4.24	31.02	376.92	12.39	1.50		.56	.56	.479
		1.5	1770.34	-1798.76	-466.61	-2.01	27.57	376.92	12.38	1.16		.51	.51	.468
		3.0	1769.70	-1312.30	-469.76	.16	24.22	376.92	12.38	.88		.46	.46	.459
		4.6	1769.07	-900.23	-492.04	2.28	20.96	376.92	12.38	.64		.41	.41	.451
		6.1	1768.44	-546.92	-552.48	4.34	17.79	376.92	12.37	.49		.37	.37	.446
651- 701	JL6- 1	0.0	-250.31	2192.48	-199.93	30.28	-19.94	2013.78	-1.75	-1.38		1.14	1.14	.105
		1.8	-251.05	1772.93	-800.39	26.15	-19.46	2013.78	-1.76	-1.22		1.09	1.09	.100
		3.5	-251.79	1363.10	-1314.29	22.15	-19.02	2013.78	-1.76	-1.19		1.04	1.04	.100
		5.3	-252.53	962.65	-1744.19	18.26	-18.58	2013.78	-1.77	-1.25		1.00	1.00	.102
		7.1	-253.27	571.97	-2092.75	14.50	-18.14	2013.78	-1.77	-1.36		.96	.96	.105
653- 703	JL6- 1	0.0	-1489.45	-1059.66	2019.01	-19.94	-17.67	-672.58	-10.42	-1.43		.58	.58	.408
		1.8	-1490.19	-1401.72	2426.60	-18.35	-14.08	-672.58	-10.43	-1.76		.54	.54	.419
		3.5	-1490.94	-1677.03	2801.04	-16.83	-11.40	-672.58	-10.43	-2.05		.50	.50	.428
		5.3	-1491.68	-1887.77	3143.47	-15.35	-8.41	-672.58	-10.44	-2.30		.46	.46	.436
		7.1	-1492.42	-2035.93	3454.95	-13.92	-5.51	-672.58	-10.44	-2.52		.42	.42	.443
655- 706	JL6- 1	0.0	1768.45	-546.92	-552.65	4.34	16.97	376.66	12.37	.49		.36	.36	.446
		1.8	1767.70	-224.22	-670.65	6.68	13.36	376.66	12.37	.44		.33	.33	.445
		3.5	1766.96	22.60	-836.76	8.97	9.86	376.66	12.36	.53		.30	.30	.447
		5.3	1766.21	196.28	-1051.44	11.19	6.46	376.66	12.36	.67		.30	.30	.451
		7.1	1765.47	298.49	-1312.78	13.35	3.16	376.66	12.35	.85		.31	.31	.457
701- 702	137- 1	0.0	60.43	137.60	68.06	-2.61	-1.18	-.65	4.15	3.73		.40	.40	.262
		4.7	60.43	73.15	172.79	-.40	-1.11	-.65	4.15	4.28		.17	.17	.280
		9.4	60.43	12.59	132.80	1.82	-1.04	-.65	4.15	3.04		.29	.29	.241
		14.1	60.43	-43.22	-32.57	4.06	-.95	-.65	4.15	1.24		.58	.58	.183
		18.8	60.43	-93.62	-323.97	6.30	-.84	-.65	4.15	7.70		.88	.88	.388
701- 704	137- 1	0.0	-38.01	62.07	89.87	-2.62	-.75	-19.75	-2.61	-2.49		.60	.60	.209
		4.7	-38.03	21.40	174.63	-.40	-.69	-19.75	-2.61	-4.02		.33	.33	.257
		9.4	-38.03	-15.64	134.86	1.81	-.63	-19.75	-2.61	-3.10		.49	.49	.228
		14.1	-38.04	-49.66	-28.54	4.00	-.57	-19.75	-2.61	-1.31		.78	.78	.171
		18.8	-38.03	-80.03	-314.67	6.17	-.51	-19.75	-2.61	-7.41		1.07	1.07	.364
701- 801	JL7- 1	0.0	137.21	556.27	-1805.46	22.92	-4.39	559.69	1.94	2.40		1.02	1.02	.144
		6.6	135.85	259.24	-3120.11	10.54	-3.14	559.69	1.92	3.98		.67	.67	.193
		13.2	134.50	57.02	-3503.76	-.66	-1.99	559.69	1.90	4.46		.42	.42	.207
		19.8	133.15	-58.52	-3041.08	-10.89	-.95	559.69	1.88	3.87		.67	.67	.188
		26.4	131.78	-95.23	-1805.12	-20.23	.00	559.69	1.86	2.30		.93	.93	.138

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
701- 606	200- 1	0.0	-266.59	-323.16	-894.90	-14.00	4.06	2.53	-7.53	-5.32		.77	.77	.516
		12.2	-266.50	120.76	553.41	-5.90	2.01	2.53	-7.53	-3.17		.33	.33	.445
		24.4	-266.42	272.55	869.63	1.45	.09	2.53	-7.53	-5.10		.08	.06	.508
		36.6	-266.33	157.21	165.65	8.03	-1.64	2.53	-7.53	-1.28		.44	.44	.383
		48.8	-266.26	-205.59	-1453.36	13.97	-3.32	2.53	-7.52	-8.21		.76	.76	.610
702- 703	137- 1	0.0	71.11	-89.36	-173.88	-4.66	.39	2.37	4.88	4.56		.67	.67	.314
		4.7	71.11	-64.32	20.29	-2.42	.50	2.37	4.88	1.54		.37	.37	.216
		9.4	71.11	-33.20	94.08	-.21	.61	2.37	4.88	2.28		.11	.11	.242
		14.1	71.11	3.98	43.81	1.99	.71	2.37	4.88	1.00		.32	.32	.202
		18.8	71.11	47.24	-129.19	4.16	.82	2.37	4.88	3.14		.61	.61	.269
702- 704	127- 1	0.0	-.32	1.03	6.57	.04	-.58	5.81	-.03	-.22		.19	.19	.008
		4.7	-.32	-21.18	4.22	.04	-.21	5.81	-.03	-.72		.13	.13	.024
		9.4	-.32	-25.59	1.86	.04	.13	5.81	-.03	-.79		.12	.12	.026
		14.1	-.32	-7.51	-.49	.04	.44	5.81	-.03	-.25		.17	.17	.009
		18.8	-.32	25.72	-2.85	.04	.73	5.81	-.03	-.87		.22	.22	.026
702- 705	127- 1	0.0	-14.71	-.23	-151.66	-4.06	-.66	-1.61	-1.24	-5.07		.72	.72	.211
		4.7	-14.72	-26.72	22.01	-2.11	-.29	-1.61	-1.24	-1.16		.38	.38	.087
		9.4	-14.73	-32.75	85.64	-.15	.07	-1.61	-1.24	-3.07		.06	.06	.147
		14.1	-14.74	-16.97	39.22	1.80	.42	-1.61	-1.24	-1.46		.34	.34	.097
		18.8	-14.74	13.94	-117.23	3.76	.75	-1.61	-1.24	-3.95		.67	.67	.175
703- 705	137- 1	0.0	-14.34	19.07	-105.54	-1.03	-.63	3.12	-.98	-2.45		.20	.20	.126
		4.7	-14.34	-13.34	-47.79	-1.03	-.53	3.12	-.98	-1.13		.19	.19	.085
		9.4	-14.34	-40.35	9.96	-1.03	-.44	3.12	-.98	-.95		.19	.19	.079
		14.1	-14.34	-62.57	67.71	-1.03	-.36	3.12	-.98	-2.10		.18	.18	.116
		18.8	-14.34	-80.72	125.45	-1.03	-.29	3.12	-.98	-3.40		.18	.18	.157
703- 601	200- 1	0.0	-260.22	-530.47	1436.88	17.02	3.62	6.53	-6.84	-9.63		.93	.93	.619
		12.2	-260.16	-92.69	-243.22	6.76	2.36	6.53	-6.84	-1.46		.50	.50	.357
		24.4	-260.07	162.46	-959.42	1.13	1.12	6.53	-6.84	-5.45		.10	.10	.434
		36.6	-260.00	235.13	-605.35	-5.86	-.13	6.53	-6.83	-3.63		.33	.33	.426
		48.8	-259.93	129.77	730.29	-12.28	-1.29	6.53	-6.83	-4.15		.67	.67	.443
703- 603	307- 1	0.0	-1192.27	-2086.40	2784.71	-2.72	-11.60	434.35	-16.87	-4.43		.61	.61	.738
		6.6	-1193.63	-2626.09	2808.93	2.01	-2.18	434.35	-16.89	-4.89		.36	.36	.752
		13.2	-1195.01	-2461.01	2489.84	6.21	6.20	434.35	-16.91	-4.44		.52	.52	.740
		19.8	-1196.38	-1666.45	1837.75	9.99	13.71	434.35	-16.93	-3.16		.76	.76	.705
		26.4	-1197.73	-313.84	911.13	13.38	20.43	434.35	-16.94	-1.23		.97	.97	.652
704- 705	127- 1	0.0	14.90	21.99	-160.37	-4.14	-.65	-3.64	1.25	5.41		.77	.77	.215
		4.7	14.90	-6.65	17.40	-2.17	-.36	-3.64	1.25	.62		.43	.43	.043
		9.4	14.90	-16.80	84.32	-.20	-.07	-3.64	1.25	2.89		.10	.10	.135
		14.1	14.90	-13.80	40.38	1.77	.25	-3.64	1.25	1.43		.36	.36	.089
		18.8	14.90	9.02	-114.43	3.74	.57	-3.64	1.25	3.84		.70	.70	.165

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	137- 1	0.0	-49.19	-80.06	-157.15	-4.35	.88	26.27	-3.37	-4.02		.91	.91	.282
		4.7	-49.19	-29.20	27.21	-2.20	.93	26.27	-3.37	-.91		.63	.63	.195
		9.4	-49.19	23.77	91.32	-.08	.95	26.27	-3.37	-2.15		.43	.43	.228
		14.1	-49.19	77.53	36.66	2.02	.95	26.27	-3.37	-1.96		.61	.61	.227
		18.8	-49.19	130.76	-135.30	4.09	.93	26.27	-3.37	-4.29		.88	.88	.293
705- 706	137- 1	0.0	-35.64	-82.60	-106.20	-.89	1.03	-15.74	-2.44	-3.07		.37	.37	.219
		4.7	-35.64	-23.23	-54.08	-.89	1.09	-15.74	-2.44	-1.39		.37	.37	.166
		9.4	-35.64	39.68	-5.96	-.89	1.14	-15.74	-2.44	-.92		.38	.38	.151
		14.1	-35.64	104.69	44.16	-.89	1.16	-15.74	-2.44	-2.59		.38	.38	.204
		18.8	-35.64	169.82	94.28	-.89	1.15	-15.74	-2.44	-4.43		.38	.38	.262
705- 805	200- 1	0.0	507.08	1291.50	-268.25	-1.52	-12.11	23.40	13.33	7.38		.71	.71	.698
		12.2	507.12	-73.56	-61.73	-1.04	-6.57	23.40	13.33	.62		.41	.41	.493
		24.4	507.19	-643.16	37.85	-.60	-1.27	23.40	13.33	3.61		.14	.14	.578
		36.6	507.27	-466.33	95.35	-.19	3.61	23.40	13.33	2.66		.26	.26	.548
		48.8	507.33	381.54	95.42	.18	7.86	23.40	13.34	2.20		.48	.48	.534
706- 806	JL7- 1	0.0	1144.63	1563.50	-765.21	-19.07	15.63	117.49	16.19	2.21		.77	.77	.634
		6.6	1143.27	2357.52	459.80	-12.02	4.65	117.49	16.17	3.05		.44	.44	.660
		13.2	1141.91	2321.09	1151.61	-5.58	-5.38	117.49	16.15	3.30		.29	.29	.667
		19.8	1140.55	1527.03	1355.86	.33	-14.60	117.49	16.14	2.60		.49	.49	.644
		26.4	1139.20	33.18	1112.45	5.76	-23.07	117.49	16.12	1.41		.75	.75	.606
710- 810	P2- 1	0.0	-110.14	878.23	-5257.49	-19.29	-1.96	1446.90	-.44	-2.22		.46	.46	.086
		6.6	-114.97	753.28	-3732.24	-19.29	-1.16	1446.90	-.46	-1.59		.46	.46	.067
		13.2	-119.80	691.98	-2206.99	-19.29	-.37	1446.90	-.48	-.96		.46	.46	.048
		19.8	-124.63	694.31	-681.74	-19.29	.43	1446.90	-.50	-.41		.46	.46	.031
		26.4	-129.46	760.28	843.52	-19.29	1.24	1446.90	-.52	-.47		.46	.46	.034
711- 811	P2- 1	0.0	1838.47	-5134.41	-1900.52	.40	-8.34	965.90	7.32	2.28		.27	.27	.327
		6.6	1833.64	-5761.79	-1932.49	.40	-7.53	965.90	7.30	2.53		.26	.26	.334
		13.2	1828.81	-6325.53	-1964.47	.40	-6.73	965.90	7.28	2.76		.25	.25	.341
		19.8	1823.98	-6825.64	-1996.45	.40	-5.92	965.90	7.26	2.96		.25	.25	.346
		26.4	1819.15	-7262.10	-2028.43	.40	-5.12	965.90	7.24	3.14		.24	.24	.351
712- 812	P2- 1	0.0	-2224.53	3934.79	-410.97	2.19	7.60	611.19	-8.85	-1.65		.19	.19	.371
		6.6	-2229.36	4567.73	-583.82	2.19	8.41	611.19	-8.87	-1.92		.20	.20	.379
		13.2	-2234.19	5264.27	-756.67	2.19	9.21	611.19	-8.89	-2.22		.20	.20	.386
		19.8	-2239.02	6024.41	-929.53	2.19	10.02	611.19	-8.91	-2.54		.21	.21	.397
		26.4	-2243.85	6848.15	-1102.38	2.19	10.82	611.19	-8.93	-2.89		.22	.22	.408
801- 802	165- 1	0.0	16.15	140.92	120.56	-2.00	-.94	-3.76	1.11	4.23		.35	.35	.173
		5.6	16.15	79.78	194.51	-.19	-.87	-3.76	1.11	4.80		.17	.17	.190
		11.3	16.15	23.58	146.86	1.61	-.80	-3.76	1.11	3.39		.29	.29	.146
		16.9	16.15	-27.68	-22.40	3.41	-.72	-3.76	1.11	.81		.52	.52	.064
		22.5	16.15	-74.00	-313.27	5.21	-.65	-3.76	1.11	7.35		.76	.76	.271

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE FY KIPS	FZ KIPS----/	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
801- 804	168- 1	0.0	-64.13	27.85	121.35	-1.96	-.48	-30.46	-4.40	-2.84		.62	.62	.333
		5.6	-64.13	-2.15	192.15	-.14	-.41	-30.46	-4.40	-4.39		.41	.41	.377
		11.3	-64.12	-28.11	140.38	1.67	-.36	-30.46	-4.40	-3.27		.58	.58	.345
		16.9	-64.11	-51.06	-53.98	3.49	-.32	-30.46	-4.40	-1.40		.83	.83	.297
		22.5	-64.10	-71.92	-330.92	5.30	-.30	-30.46	-4.40	-7.73		1.08	1.08	.474
801- 901	JL6- 1	0.0	-129.15	782.12	-2053.01	3.56	-7.06	267.47	-1.83	-2.79		.39	.39	.155
		6.8	-130.57	239.58	-1976.91	-5.31	-6.17	267.47	-1.85	-2.53		.40	.40	.148
		13.7	-131.95	-233.35	-1200.84	-13.49	-5.36	267.47	-1.87	-1.56		.58	.58	.117
		20.5	-133.36	-644.23	222.05	-21.07	-4.66	267.47	-1.89	-.87		.78	.78	.096
		27.4	-134.77	-1000.52	2247.76	-28.19	-4.03	267.47	-1.91	-3.13		.98	.98	.169
801- 903	200- 1	0.0	228.93	678.05	-518.76	-10.20	-5.29	-20.35	6.02	4.78		.66	.66	.361
		14.0	229.02	1.31	648.16	-3.80	-2.81	-20.35	6.02	3.63		.31	.31	.324
		28.0	229.16	-275.83	786.71	2.05	-.53	-20.35	6.02	4.67		.17	.17	.357
		41.9	229.30	-191.68	-4.92	7.29	1.50	-20.35	6.03	1.07		.45	.45	.244
		55.9	229.42	212.34	-1628.81	11.98	3.28	-20.35	6.03	9.19		.71	.71	.501
802- 803	168- 1	0.0	25.64	-74.89	-147.71	-3.50	.30	15.24	1.76	3.78		.66	.66	.181
		5.6	25.64	-52.42	27.97	-1.71	.37	15.24	1.76	1.36		.41	.41	.104
		11.3	25.64	-25.02	82.99	.07	.44	15.24	1.76	1.98		.24	.24	.124
		16.9	25.64	7.53	18.30	1.84	.52	15.24	1.76	.45		.44	.44	.075
		22.5	25.64	44.62	-165.14	3.59	.59	15.24	1.76	3.90		.67	.67	.185
802- 804	148- 1	0.0	.55	-8.20	-1.06	.02	-.42	11.26	.05	.28		.26	.26	.010
		5.6	.55	-27.04	-2.58	.02	-.14	11.26	.05	.91		.21	.21	.030
		11.3	.55	-27.81	-4.10	.02	.12	11.26	.05	.94		.21	.21	.031
		16.9	.55	-11.47	-5.62	.02	.36	11.26	.05	.43		.25	.25	.015
		22.5	.55	21.03	-7.14	.02	.60	11.26	.05	.74		.29	.29	.025
802- 805	148- 1	0.0	-12.58	-2.16	-164.50	-3.39	-.53	-8.79	-1.06	-5.50		.72	.72	.219
		5.6	-12.58	-26.34	11.48	-1.62	-.25	-8.79	-1.06	-1.02		.46	.46	.078
		11.3	-12.58	-35.50	80.97	-.24	.03	-8.79	-1.06	-2.96		.19	.19	.139
		16.9	-12.57	-23.64	43.16	1.36	.32	-8.79	-1.06	-1.65		.38	.38	.097
		22.5	-12.55	7.22	-102.78	2.97	.60	-8.79	-1.05	-3.45		.66	.66	.154
803- 805	155- 1	0.0	53.90	-32.35	-53.88	-.50	-.33	12.40	3.70	1.43		.22	.22	.174
		5.6	53.90	-52.16	-20.33	-.50	-.26	12.40	3.70	1.28		.22	.22	.169
		11.3	53.90	-67.03	13.22	-.50	-.18	12.40	3.70	1.56		.21	.21	.178
		16.9	53.90	-76.95	46.77	-.50	-.11	12.40	3.70	2.06		.21	.21	.194
		22.5	53.90	-81.99	80.32	-.50	-.04	12.40	3.70	2.62		.21	.21	.212
803- 903	JL5- 1	0.0	-690.06	-918.62	1459.71	5.66	-8.73	305.49	-9.76	-2.19		.49	.49	.417
		6.8	-691.45	-1373.75	862.58	8.82	-2.46	305.49	-9.78	-2.06		.45	.45	.414
		13.7	-692.85	-1339.08	20.10	11.66	3.21	305.49	-9.80	-1.70		.54	.54	.405
		20.5	-694.28	-861.96	-1045.40	14.26	8.32	305.49	-9.82	-1.72		.66	.66	.406
		27.4	-695.70	16.03	-2319.42	16.64	12.98	305.49	-9.84	-2.94		.79	.79	.441

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
803- 906	200- 1	0.0	-471.89	-1139.45	-103.86	-.66	7.25	27.58	-12.40	-6.40		.46	.46	.880
		14.0	-471.78	-154.38	-18.16	-.36	4.44	27.58	-12.40	-.89		.31	.31	.639
		28.0	-471.66	351.38	18.03	-.07	1.63	27.58	-12.40	-1.97		.16	.16	.686
		41.9	-471.55	389.91	4.71	.23	-1.17	27.58	-12.40	-2.18		.14	.14	.695
		55.9	-471.47	-36.98	-58.11	.52	-3.90	27.58	-12.39	-.39		.28	.28	.617
804- 805	140- 1	0.0	12.07	33.20	-152.27	-3.40	-.55	-3.21	1.01	5.21		.63	.63	.200
		5.6	12.07	3.86	22.55	-1.77	-.32	-3.21	1.01	.77		.36	.36	.059
		11.3	12.07	-9.33	87.07	-.14	-.07	-3.21	1.01	2.93		.08	.08	.128
		16.9	12.07	-5.39	41.28	1.49	.19	-3.21	1.01	1.39		.31	.31	.079
		22.5	12.07	16.61	-114.61	3.13	.46	-3.21	1.01	3.88		.58	.58	.158
804- 806	160- 1	0.0	-72.79	-84.97	-185.79	-3.68	.65	23.69	-4.99	-4.66		.81	.81	.425
		5.6	-72.78	-27.18	14.97	-2.08	.86	23.69	-4.99	-.71		.58	.56	.310
		11.3	-72.78	31.74	95.31	-.31	.88	23.69	-4.99	-2.29		.40	.40	.353
		16.9	-72.77	91.61	57.35	1.45	.90	23.69	-4.99	-2.47		.50	.50	.369
		22.5	-72.77	153.01	-96.79	3.13	.91	23.69	-4.99	-4.13		.72	.72	.425
805- 806	140- 1	0.0	36.32	-97.03	-137.27	-.96	1.02	-10.98	2.49	3.84		.32	.32	.208
		5.6	36.32	-25.73	-72.18	-.96	1.08	-10.98	2.49	1.75		.32	.32	.142
		11.3	36.32	48.67	-7.09	-.96	1.11	-10.98	2.49	1.12		.33	.33	.122
		16.9	36.32	124.50	58.01	-.96	1.13	-10.98	2.49	3.13		.33	.33	.186
		22.5	36.32	201.47	123.10	-.96	1.15	-10.98	2.49	5.39		.33	.33	.257
805- 901	200- 1	0.0	265.78	712.98	1414.59	13.37	-4.77	50.18	6.99	8.86		.89	.89	.524
		14.0	265.79	43.60	-270.72	6.79	-2.75	50.18	6.99	1.59		.53	.53	.293
		28.0	265.85	-215.37	-863.89	.59	-.83	50.18	6.99	5.09		.19	.19	.404
		41.9	265.92	-200.29	-489.41	-5.23	.99	50.18	6.99	2.95		.42	.42	.337
		55.9	266.03	104.46	845.76	-10.63	2.61	50.18	6.99	4.79		.72	.72	.395
806- 906	JL8- 1	0.0	846.97	816.22	395.42	-9.75	12.59	874.41	11.98	1.15		1.01	1.01	.454
		6.8	845.56	1511.18	979.02	-4.52	4.44	874.41	11.96	2.29		.74	.74	.489
		13.7	844.16	1559.67	1144.00	.35	-3.18	874.41	11.94	2.46		.65	.65	.494
		20.5	842.76	1000.08	929.39	4.92	-10.36	874.41	11.92	1.74		.88	.88	.470
		27.4	841.38	-132.46	347.08	9.22	-17.18	874.41	11.90	.47		1.11	1.11	.429
810- 910	P2- 1	0.0	-129.51	758.62	846.80	-19.29	-9.44	869.76	-.52	-.47		.35	.35	.034
		6.8	-134.52	13.28	2431.09	-19.29	-8.66	869.76	-.54	-1.01		.35	.35	.052
		13.7	-139.54	-655.37	4015.36	-19.29	-7.82	869.76	-.56	-1.70		.35	.35	.074
		20.5	-144.55	-1271.34	5599.67	-19.29	-6.99	869.76	-.58	-2.39		.34	.34	.097
		27.4	-149.57	-1810.64	7183.96	-19.29	-6.15	869.76	-.60	-3.09		.34	.34	.120
811- 911	P2- 1	0.0	1819.40	-7264.58	-2019.86	.62	53.29	1125.41	7.24	3.14		.66	.66	.351
		6.8	1814.39	-2854.49	-2070.97	.62	54.12	1125.41	7.22	1.47		.67	.67	.298
		13.7	1809.37	1624.45	-2122.08	.62	54.96	1125.41	7.20	1.11		.67	.67	.286
		20.5	1804.36	6172.09	-2173.19	.62	55.80	1125.41	7.18	2.73		.68	.68	.336
		27.4	1799.34	10784.21	-2224.31	.62	56.63	1125.41	7.16	4.59		.69	.69	.394

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
812- 912	P2- 1	0.0	-2244.14	6648.15	-1110.21	2.19	-47.48	2186.58	-8.93	-2.89		.83	.83	.409
		6.8	-2249.15	2983.72	-1289.71	2.19	-46.64	2186.58	-8.95	-1.35		.83	.83	.367
		13.7	-2254.17	-812.07	-1469.22	2.19	-45.81	2186.58	-8.97	-.70		.82	.82	.350
		20.5	-2259.19	-4539.22	-1648.72	2.19	-44.97	2186.58	-8.99	-2.01		.81	.81	.387
		27.4	-2264.20	-8197.73	-1828.23	2.19	-44.13	2186.58	-9.01	-3.50		.81	.81	.429
901- 902	189- 1	0.0	-116.75	143.10	203.73	-1.78	-.81	-9.00	-5.51	-3.60		.25	.25	.457
		6.6	-116.75	82.30	276.44	-.05	-.72	-9.00	-5.51	-4.17		.13	.13	.465
		13.2	-116.75	26.83	213.15	1.66	-.63	-9.00	-5.51	-3.11		.23	.23	.431
		19.8	-116.75	-17.33	13.84	3.37	-.54	-9.00	-5.51	-.32		.39	.39	.351
		26.4	-116.75	-56.15	-321.48	5.09	-.44	-9.00	-5.51	-4.72		.55	.55	.479
901- 904	189- 1	0.0	-64.58	14.24	206.64	-1.62	-.45	-23.14	-3.24	-3.00		.33	.33	.285
		6.6	-64.57	-17.55	265.78	.12	-.36	-23.14	-3.24	-3.85		.20	.20	.309
		13.2	-64.67	-42.05	187.85	1.84	-.26	-23.14	-3.24	-2.79		.34	.34	.279
		19.8	-64.67	-59.23	-26.03	3.55	-.17	-23.14	-3.24	-.94		.50	.50	.230
		26.4	-64.69	-69.04	-374.72	5.25	-.08	-23.14	-3.24	-5.51		.66	.66	.356
901-1001	JL9- 1	0.0	3.14	-841.94	2246.28	18.20	1.88	67.75	.04	3.05		.56	.56	.098
		6.8	1.74	-654.69	1050.03	11.48	2.42	67.75	.02	1.56		.37	.37	.050
		13.7	.36	-446.70	350.05	5.18	2.87	67.75	.01	.72		.21	.21	.023
		20.5	-1.03	-195.37	159.67	-.32	3.23	67.75	-.01	-.32		.14	.14	.011
		27.4	-2.43	81.65	324.22	-3.14	3.50	67.75	-.03	-.43		.18	.18	.015
901-1002	160- 1	0.0	241.42	280.76	-27.12	-4.05	-2.97	-90.21	8.00	2.53		.74	.74	.358
		9.5	241.32	25.03	283.21	-1.44	-1.55	-90.21	7.99	2.55		.54	.54	.359
		18.9	241.19	-73.08	306.76	.99	-.21	-90.21	7.99	2.82		.47	.47	.367
		28.4	241.08	-26.36	69.72	3.09	.94	-90.21	7.99	.67		.62	.62	.299
		37.8	240.99	113.64	-346.48	4.00	1.43	-90.21	7.98	3.26		.69	.69	.381
901-1004	160- 1	0.0	-255.51	-139.29	-103.31	-4.40	1.90	-68.50	-8.50	-1.55		.62	.62	.433
		9.5	-256.61	14.16	250.67	-1.85	.81	-68.50	-8.50	-2.25		.44	.44	.456
		18.9	-256.73	47.97	321.05	.57	-.20	-68.50	-8.50	-2.91		.35	.35	.478
		28.4	-256.83	-25.62	132.76	2.65	-1.06	-68.50	-8.51	-1.21		.50	.50	.422
		37.8	-256.92	-171.57	-235.04	3.60	-1.41	-68.50	-8.51	-2.61		.56	.56	.469
902- 903	189- 1	0.0	-107.67	-51.55	-115.10	-2.67	-.10	20.57	-5.08	-1.82		.42	.42	.369
		6.6	-107.67	-55.45	44.75	-1.16	-.00	20.57	-5.08	-1.03		.26	.26	.349
		13.2	-107.67	-52.03	69.90	.53	.09	20.57	-5.08	-1.26		.20	.20	.354
		19.8	-107.67	-41.29	-38.35	2.20	.18	20.57	-5.08	-.82		.36	.36	.341
		26.4	-107.67	-23.22	-278.68	3.86	.27	20.57	-5.08	-4.05		.51	.51	.431
902- 904	149- 1	0.0	.94	-11.63	-19.89	-.07	-.14	10.98	.08	.77		.21	.21	.027
		6.6	.94	-17.36	-14.14	-.07	-.01	10.98	.08	.75		.20	.20	.026
		13.2	.94	-12.64	-5.39	-.07	.13	10.98	.08	.51		.21	.21	.019
		19.8	.94	2.55	-2.64	-.07	.26	10.98	.08	.12		.23	.23	.017
		26.4	.94	28.20	3.11	-.07	.39	10.98	.08	.95		.25	.25	.033

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905	149- 1	0.0	-11.84	-12.59	-166.48	-3.03	-.21	-6.21	-.99	-6.25		.61	.61	.243
		6.6	-11.83	-23.99	-.34	-1.07	-.08	-6.21	-.99	-.80		.38	.38	.071
		13.2	-11.82	-24.94	77.49	-.30	.05	-6.21	-.99	-2.72		.15	.15	.131
		19.8	-11.84	-15.43	46.34	1.08	.19	-6.21	-.99	-1.63		.29	.29	.097
		26.4	-11.87	4.54	-94.44	2.47	.32	-6.21	-1.00	-3.16		.52	.52	.145
903- 905	189- 1	0.0	176.69	-111.44	44.17	.07	-.01	5.75	8.43	1.73		.05	.05	.346
		6.6	176.69	-108.38	38.88	.07	.08	5.75	8.43	1.67		.05	.05	.346
		13.2	176.69	-97.49	33.59	.07	.18	5.75	8.43	1.50		.06	.06	.341
		19.8	176.69	-80.29	28.31	.07	.27	5.75	8.43	1.23		.07	.07	.332
		26.4	176.69	-55.25	23.02	.07	.36	5.75	8.43	.87		.08	.08	.321
903-1002	160- 1	0.0	-243.41	-112.06	469.86	5.30	1.23	-22.12	-8.06	-4.33		.46	.46	.504
		9.5	-243.47	-12.95	19.54	2.65	.53	-22.12	-8.06	-.21		.28	.28	.369
		18.9	-243.53	8.50	-140.44	.19	-.15	-22.12	-8.07	-1.26		.11	.11	.403
		28.4	-243.61	-43.00	-32.46	-2.00	-.72	-22.12	-8.07	-.48		.24	.24	.378
		37.8	-243.69	-138.65	262.79	-2.95	-.88	-22.12	-8.07	-2.66		.30	.30	.450
903-1003	JL9- 1	0.0	-98.37	-217.30	-2712.91	-12.15	-5.85	814.98	-1.39	-3.46		.88	.88	.160
		6.9	-99.78	-356.64	-1805.83	-9.97	.34	814.98	-1.41	-2.34		.80	.80	.126
		13.7	-101.20	-165.21	-1069.29	-6.01	4.16	814.98	-1.43	-1.38		.77	.77	.096
		20.5	-102.62	312.34	-401.03	-6.43	7.25	814.98	-1.45	-.73		.79	.79	.076
		27.4	-104.03	954.67	26.10	-6.20	7.92	814.98	-1.47	-1.21		.80	.80	.092
903-1005	160- 1	0.0	-486.66	-596.00	-2.99	-.43	4.36	2.64	-16.12	-4.53		.30	.30	.914
		9.5	-486.75	-119.18	30.60	-.16	2.44	2.64	-16.12	-1.10		.17	.17	.770
		18.9	-486.81	50.99	32.92	.12	.58	2.64	-16.13	-.54		.05	.05	.746
		28.4	-486.89	19.06	5.20	.35	-1.07	2.64	-16.13	-.18		.09	.09	.731
		37.8	-487.00	-151.70	-43.85	.48	-1.74	2.64	-16.13	-1.41		.13	.13	.783
904- 905	149- 1	0.0	10.90	29.11	-158.10	-3.00	-.32	-6.14	.92	5.38		.61	.61	.202
		6.6	10.90	9.24	21.80	-1.55	-.18	-6.14	.92	.79		.37	.37	.057
		13.2	10.90	-.17	88.16	-.12	-.05	-6.14	.92	2.95		.13	.13	.125
		19.8	10.90	.67	42.05	1.29	.08	-6.14	.92	1.41		.32	.32	.076
		26.4	10.90	12.37	-115.13	2.68	.21	-6.14	.92	3.87		.55	.55	.154
904- 906	187- 1	0.0	-76.33	-73.72	-213.51	-3.57	.63	35.07	-3.60	-3.27		.60	.60	.317
		6.6	-76.34	-20.24	2.67	-1.89	.72	35.07	-3.60	-.30		.44	.44	.232
		13.2	-76.35	40.48	67.01	-.24	.81	35.07	-3.60	-1.39		.33	.33	.263
		19.8	-76.35	108.57	41.29	1.39	.91	35.07	-3.60	-1.68		.41	.41	.278
		26.4	-76.35	185.98	-132.69	3.00	1.00	35.07	-3.60	-3.28		.55	.55	.327
905- 906	189- 1	0.0	162.85	-69.67	-186.55	-.93	.89	-8.95	-7.68	2.68		.19	.19	.359
		6.6	162.85	4.41	-113.05	-.93	.98	-8.95	7.68	1.64		.19	.19	.319
		13.2	162.85	86.01	-39.51	-.93	1.08	-8.95	7.68	1.37		.20	.20	.311
		19.8	162.85	174.93	34.00	-.93	1.17	-8.95	7.68	2.56		.21	.21	.349
		26.4	162.85	271.17	107.52	-.93	1.26	-8.95	7.68	4.22		.21	.21	.401

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
905-1004	160- 1	0.0	256.65	248.64	363.78	4.99	-2.27	-38.02	8.50	3.95		.53	.53	.421
		9.5	256.57	49.91	-47.83	2.29	-1.23	-38.02	8.50	.62		.34	.34	.315
		18.9	256.48	-32.58	-164.58	-.20	-.23	-38.02	8.50	1.50		.19	.19	.343
		28.4	256.40	-5.56	-9.81	-2.43	.67	-38.02	8.49	.10		.34	.34	.299
		37.8	256.30	102.24	358.23	-3.45	1.13	-38.02	8.49	3.16		.41	.41	.396
905-1005	160- 1	0.0	468.75	350.57	-58.46	-.47	-4.10	-25.33	16.19	3.16		.39	.39	.663
		9.5	468.62	6.68	-.54	-.20	-1.09	-25.33	16.19	.06		.24	.24	.565
		18.9	468.53	-81.23	7.12	.06	.31	-25.33	16.18	.73		.13	.13	.586
		28.4	468.43	69.01	-13.75	.29	2.25	-25.33	16.18	.63		.26	.26	.583
		37.8	468.36	387.44	-53.20	.37	3.14	-25.33	16.18	3.50		.32	.32	.674
905-1015	JL9- 1	0.0	104.50	667.98	552.14	-5.90	6.67	754.96	1.48	1.31		.73	.73	.093
		6.8	103.11	1146.16	867.59	-1.81	.14	754.96	1.46	1.83		.53	.53	.109
		13.7	101.71	897.38	853.52	2.10	-6.14	754.96	1.44	1.57		.66	.66	.100
		20.5	100.27	151.02	531.21	5.65	-11.88	754.96	1.42	.70		.85	.85	.072
		27.4	98.86	-997.39	-39.12	8.01	-15.69	754.96	1.40	1.27		.98	.98	.089
910-1010	P3- 1	0.0	-149.55	-1610.68	7184.35	-19.28	-1.49	778.54	-.51	-2.67		.27	.27	.103
		6.8	-155.45	-1692.95	8767.55	-19.28	-.51	778.54	-.53	-3.23		.27	.27	.122
		13.7	-161.35	-1694.44	10350.76	-19.28	.47	778.54	-.55	-3.79		.27	.27	.140
		20.5	-167.25	-1615.15	11933.96	-19.28	1.46	778.54	-.57	-4.35		.27	.27	.159
		27.4	-173.14	-1655.04	13517.17	-19.28	2.44	778.54	-.59	-4.91		.27	.27	.177
911-1011	P3- 1	0.0	1798.28	10787.51	-2230.87	1.53	-192.57	2657.63	6.08	3.97		1.78	1.78	.337
		6.8	1792.35	-4945.08	-2340.03	1.53	-191.59	2657.63	6.06	1.99		1.78	1.78	.274
		13.7	1786.48	-20670.48	-2449.18	1.53	-190.61	2657.63	6.04	7.51		1.77	1.77	.448
		20.5	1780.56	-36290.30	-2558.34	1.53	-189.62	2657.63	6.02	13.12		1.76	1.76	.625
		27.4	1774.68	-51821.32	-2667.50	1.53	-188.64	2657.63	6.00	18.71		1.76	1.76	.801
912-1012	P3- 1	0.0	-2259.81	-8197.73	-1838.31	2.19	182.15	2705.99	-7.64	-3.03		1.72	1.72	.365
		6.8	-2265.71	6800.19	-2017.81	2.19	183.13	2705.99	-7.66	-2.56		1.73	1.73	.353
		13.7	-2271.61	21870.86	-2197.32	2.19	184.12	2705.99	-7.68	-7.93		1.73	1.73	.518
		20.5	-2277.51	37036.26	-2376.82	2.19	185.10	2705.99	-7.70	-13.38		1.74	1.74	.692
		27.4	-2283.40	52278.41	-2556.33	2.19	186.08	2705.99	-7.72	-18.87		1.75	1.75	.866
1001-1002	200- 1	0.0	8.32	138.65	1079.13	3.22	-.72	61.31	.22	6.09		.35	.35	.200
		7.6	8.32	69.87	775.84	3.45	-.79	61.31	.22	4.36		.36	.36	.146
		15.2	8.32	-5.80	451.87	3.68	-.87	61.31	.22	2.53		.37	.37	.088
		22.7	8.32	-88.36	107.81	3.88	-.95	61.31	.22	.78		.38	.38	.032
		30.3	8.32	-177.82	-253.47	4.06	-1.02	61.31	.22	1.73		.39	.39	.062
1001-1004	200- 1	0.0	13.63	-169.95	1120.00	3.49	.66	151.36	.36	6.34		.61	.61	.213
		7.6	13.61	-112.98	790.47	3.76	.59	151.36	.36	4.47		.62	.62	.154
		15.2	13.60	-62.90	455.93	4.04	.51	151.36	.36	2.46		.64	.64	.090
		22.7	13.61	-19.72	53.61	4.37	.44	151.36	.36	.32		.65	.65	.023
		30.3	13.63	16.54	-359.22	4.71	.36	151.36	.36	2.01		.67	.67	.076

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
1002-1003	200- 1	0.0	356.08	59.33	-2.91	1.03	-.99	-59.26	9.36	.33		.24	.24	.336
		7.5	356.08	-34.14	-102.74	1.15	-1.07	-59.26	9.36	.61		.25	.25	.345
		15.2	356.08	-134.51	-211.43	1.23	-1.14	-59.26	9.36	1.40		.25	.25	.370
		22.7	356.08	-241.77	-327.02	1.31	-1.22	-59.26	9.36	2.28		.26	.26	.398
		30.3	356.08	-355.92	-447.51	1.33	-1.29	-59.26	9.36	3.20		.26	.26	.427
1002-1004	140- 1	0.0	1.11	-215.09	-124.98	-.66	1.39	30.44	.07	4.67		.48	.48	.150
		7.6	1.11	-95.40	-64.70	-.66	1.29	30.44	.07	2.13		.47	.47	.070
		15.2	1.11	16.64	-4.42	-.66	1.18	30.44	.07	.36		.45	.45	.014
		22.7	1.11	121.04	55.85	-.66	1.07	30.44	.07	2.50		.44	.44	.082
		30.3	1.11	215.79	116.13	-.66	.97	30.44	.07	4.57		.43	.43	.147
1002-1005	140- 1	0.0	-12.43	-174.79	-104.06	-.63	.89	-10.27	-.77	-3.82		.23	.23	.154
		7.6	-12.45	-93.52	-51.86	-.52	.79	-10.27	-.78	-2.09		.21	.21	.100
		15.2	-12.47	-31.91	-10.60	-.39	.68	-10.27	-.78	-.63		.19	.19	.054
		22.7	-12.47	25.07	18.26	-.24	.57	-10.27	-.78	-.58		.17	.17	.052
		30.3	-12.47	72.39	33.28	-.08	.47	-10.27	-.78	-1.50		.16	.16	.081
1003-1005	200- 1	0.0	364.04	-674.35	271.77	.80	2.98	-23.30	9.57	4.07		.23	.23	.462
		7.6	364.04	-406.72	198.68	.80	2.91	-23.30	9.57	2.53		.22	.22	.413
		15.2	364.04	-145.98	125.59	.80	2.83	-23.30	9.57	1.08		.22	.22	.367
		22.7	364.04	107.67	52.49	.80	2.75	-23.30	9.57	.67		.22	.22	.354
		30.3	364.04	354.65	-20.60	.80	2.68	-23.30	9.57	1.99		.21	.21	.396
1004-1005	140- 1	0.0	11.89	96.69	-88.39	-.61	-.23	-24.95	.74	2.49		.32	.32	.105
		7.6	11.89	72.69	-59.94	-.46	-.34	-24.95	.74	1.56		.31	.31	.075
		15.1	11.89	37.44	-5.26	-.31	-.44	-24.95	.74	.71		.30	.30	.048
		22.7	11.89	-7.64	15.65	-.15	-.55	-24.95	.74	.33		.31	.31	.036
		30.3	11.89	-62.36	22.78	-.00	-.66	-24.95	.74	1.25		.32	.32	.065
1004-1006	200- 1	0.0	-352.88	-203.34	-6.44	.49	1.77	14.88	-9.28	-1.14		.14	.14	.517
		7.5	-352.86	-46.06	-66.02	.82	1.69	14.88	-9.28	-.45		.14	.14	.486
		15.1	-352.85	104.53	-156.67	1.18	1.62	14.88	-9.28	-1.05		.15	.15	.506
		22.7	-352.85	247.84	-282.77	1.60	1.54	14.88	-9.28	-2.10		.16	.16	.543
		30.3	-352.86	384.46	-448.66	2.05	1.47	14.88	-9.28	-3.31		.17	.17	.584
1005-1006	200- 1	0.0	-332.40	-152.69	-15.32	.52	2.42	-18.45	-8.74	-.86		.18	.18	.478
		7.6	-332.40	64.29	-63.69	.52	2.35	-18.45	-8.74	-.51		.18	.18	.461
		15.1	-332.40	274.38	-111.06	.52	2.27	-18.45	-8.74	-1.66		.17	.17	.507
		22.7	-332.40	477.59	-158.43	.52	2.20	-18.45	-8.74	-2.82		.17	.17	.552
		30.3	-332.40	673.91	-205.80	.52	2.12	-18.45	-8.74	-3.94		.17	.17	.596

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203	W18- 1	0.0	29.51	-306.94	-40.61	-.64	.34	-.05	1.82	-3.44	-3.79	.07	.05	.304
		3.6	29.51	-236.10	-12.79	-.64	2.82	-.05	1.82	-2.67	-1.19	.08	.44	.190
		7.3	29.51	-61.24	15.03	-.64	5.31	-.05	1.82	-.69	1.40	.08	.83	.134
		10.9	29.51	223.63	42.86	-.64	7.79	-.05	1.82	2.51	4.00	.08	1.21	.262
		14.5	29.51	616.53	70.68	-.64	10.27	-.05	1.82	6.92	6.59	.08	1.60	.512
202- 204	W08- 1	0.0	-.86	-2.78	-7.92	-.10	-.17	-.00	-.12	-.13	-1.41	.02	.09	.061
		3.6	-.86	-5.40	-3.92	-.10	-.09	-.00	-.12	-.40	-.61	.02	.05	.042
		7.2	-.86	-10.25	1.08	-.10	.00	-.00	-.12	-.49	.19	.02	.00	.030
		10.9	-.86	-8.31	5.58	-.10	.09	-.00	-.12	-.40	1.00	.02	.05	.055
		14.5	-.86	-2.59	10.08	-.10	.17	-.00	-.12	-.12	1.80	.02	.09	.074
202- 205	W08- 1	0.0	-.78	2.89	.54	.04	-.16	-.00	-.11	.14	.10	.01	.08	.015
		3.6	-.78	-2.39	-1.24	.04	-.08	-.00	-.11	-.11	-.22	.01	.04	.018
		7.2	-.78	-3.69	-3.01	.04	.01	-.00	-.11	-.19	-.54	.01	.00	.032
		10.9	-.78	-1.60	-4.79	.04	.10	-.00	-.11	-.08	-.86	.01	.05	.039
		14.5	-.78	4.46	-6.57	.04	.18	-.00	-.11	.21	-1.17	.01	.09	.055
203- 205	W21- 1	0.0	39.60	1750.43	-106.25	-.78	-26.62	-.03	1.84	11.62	-6.25	.06	2.76	.644
		3.6	39.60	724.66	-72.18	-.78	-20.56	-.03	1.84	4.81	-4.24	.06	2.13	.364
		7.2	39.60	-37.52	-38.11	-.78	-14.50	-.03	1.84	-.25	-2.24	.06	1.50	.150
		10.9	39.60	-530.13	-4.03	-.78	-8.44	-.03	1.84	-3.56	-.24	.06	.87	.185
		14.5	39.60	-771.15	30.04	-.78	-2.37	-.03	1.84	-5.12	1.77	.06	.25	.288
203- 303	DKL- 1	0.0	-2.11	-1372.06	-1125.93	-15.69	78.15	-589.77	-.02	-2.78		2.21	2.21	.089
		3.8	-3.27	2144.65	-411.04	-15.69	78.15	-589.77	-.04	-3.42		2.21	2.21	.109
		7.5	-4.44	5654.71	303.86	-15.69	77.07	-589.77	-.05	-8.66		2.19	2.19	.282
		11.3	-5.60	9018.16	1018.75	-15.69	72.12	-589.77	-.06	-14.20		2.08	2.08	.451
		15.0	-6.20	12171.51	1733.64	-15.69	65.60	-589.77	-.07	-19.15		1.94	1.94	.609
203- 306	120- 1	0.0	-139.84	-70.12	-344.88	-1.03	.04	-25.20	-4.95	-4.39		.23	.23	.416
		8.2	-140.20	-32.16	-243.69	-1.03	.74	-25.20	-4.96	-3.07		.25	.25	.372
		16.3	-140.56	73.96	-142.49	-1.03	1.45	-25.20	-4.97	-2.00		.28	.28	.335
		24.5	-140.92	248.24	-41.30	-1.03	2.15	-25.20	-4.98	-3.14		.32	.32	.367
		32.6	-141.18	486.01	59.89	-1.03	2.63	-25.20	-4.99	-6.11		.36	.36	.460
204- 205	W08- 1	0.0	1.85	2.47	-3.92	.00	-.22	.01	.26	.12	-.70	.00	.11	.038
		3.6	1.85	-5.02	-4.01	.00	-.13	.01	.26	-.24	-.72	.00	.07	.042
		7.3	1.85	-6.73	-4.09	.00	-.04	.01	.26	-.42	-.73	.00	.02	.048
		10.9	1.85	-8.65	-4.18	.00	.05	.01	.26	-.42	-.75	.00	.03	.048
		14.5	1.85	-4.79	-4.26	.00	.13	.01	.26	-.23	-.76	.00	.07	.043
204- 206	W18- 1	0.0	-77.26	-310.14	-22.40	-.20	-.24	-.02	-4.77	-3.48	-2.09	.02	.04	.367
		3.6	-77.26	-206.67	-13.89	-.20	2.24	-.02	-4.77	-2.99	-1.30	.02	.35	.325
		7.3	-77.26	-115.14	-5.39	-.20	4.72	-.02	-4.77	-1.29	-.50	.02	.73	.254
		10.9	-77.26	144.45	3.11	-.20	7.21	-.02	-4.77	1.62	.29	.02	1.12	.256
		14.5	-77.26	518.19	11.61	-.20	14.69	-.02	-4.77	5.82	1.08	.02	2.25	.401

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
104- 105	W08- 1	0.0	1.48	2.49	-5.96	-.03	-.22	.01	.21	.12	-1.06	.01	.12	.049
		3.6	1.48	-5.33	-4.63	-.03	-.14	.01	.21	-.26	-.83	.01	.07	.044
		7.3	1.48	-9.37	-3.30	-.03	-.05	.01	.21	-.45	-.59	.01	.03	.042
		10.9	1.48	-9.63	-1.97	-.03	.04	.01	.21	-.46	-.35	.01	.02	.034
		14.5	1.48	-6.10	-.64	-.03	.12	.01	.21	-.29	-.11	.01	.07	.021
104- 106	W18- 1	0.0	-.68	-197.44	-13.60	-.08	.70	-.01	-.04	-2.22	-1.27	.01	.11	.116
		3.6	-.68	-129.68	-10.20	-.08	2.42	-.01	-.04	-1.46	-.95	.01	.38	.081
		7.3	-.68	13.05	-6.80	-.08	4.14	-.01	-.04	.15	-.63	.01	.64	.028
		10.9	-.68	230.70	-3.40	-.08	5.86	-.01	-.04	2.59	-.32	.01	.91	.095
		14.5	-.68	529.42	-.00	-.08	12.59	-.01	-.04	5.94	-.00	.01	1.95	.190
105- 106	W18- 1	0.0	-4.11	-225.09	14.98	.17	-.41	-.06	-.25	-2.53	1.40	.02	.06	.139
		3.6	-4.11	-205.38	7.74	.17	1.31	-.06	-.25	-2.30	.72	.02	.21	.109
		7.3	-4.11	-110.75	.49	.17	3.04	-.06	-.25	-1.24	.05	.02	.47	.052
		10.9	-4.11	58.61	-6.76	.17	4.76	-.06	-.25	.66	-.63	.02	.74	.054
		14.5	-4.11	303.29	-14.01	.17	6.48	-.06	-.25	3.40	-1.31	.02	1.01	.164
106- 206	DKL- 1	0.0	-12.32	721.20	-113.11	-5.75	-17.09	14.01	-.14	-1.14		.41	.41	.041
		3.8	-13.49	-47.74	145.64	-5.75	-17.09	14.01	-.15	-.24		.41	.41	.013
		7.5	-14.65	-816.69	404.39	-5.75	-17.09	14.01	-.16	-1.43		.41	.41	.051
		11.3	-15.81	-1585.64	663.15	-5.75	-17.09	14.01	-.17	-2.69		.41	.41	.091
		15.0	-16.97	-2354.58	921.90	-5.75	-17.09	14.01	-.19	-3.96		.41	.41	.132
201- 202	W18- 1	0.0	29.50	554.44	99.87	.85	-9.93	.05	1.82	6.28	9.32	.10	1.54	.586
		3.6	29.50	151.55	62.90	.85	-7.45	.05	1.82	2.04	5.87	.10	1.16	.332
		7.3	29.50	-88.37	25.94	.85	-4.96	.05	1.82	-.99	2.42	.10	.77	.179
		10.9	29.50	-250.24	-11.03	.85	-2.46	.05	1.82	-2.81	-1.03	.10	.39	.188
		14.5	29.50	-304.11	-48.00	.85	.00	.05	1.82	-3.41	-4.48	.10	.00	.327
201- 204	W18- 1	0.0	-75.82	655.65	93.06	.74	-10.56	-.01	-4.68	7.47	8.68	.09	1.64	.702
		3.6	-75.82	260.00	60.70	.74	-8.08	-.01	-4.68	2.92	5.66	.09	1.25	.461
		7.2	-75.82	-36.72	28.33	.74	-5.60	-.01	-4.68	-.41	2.64	.09	.87	.293
		10.9	-75.82	-226.12	-4.03	.74	-3.11	-.01	-4.68	-2.54	-.38	.09	.48	.281
		14.5	-75.82	-307.61	-36.40	.74	-.63	-.01	-4.68	-3.45	-3.40	.09	.10	.404
201- 301	DKL- 1	0.0	-64.37	-511.49	1328.97	14.92	72.83	-110.76	-.71	-2.23		1.72	1.72	.096
		3.8	-65.53	2765.60	657.46	14.92	72.83	-110.76	-.72	-4.45		1.72	1.72	.167
		7.5	-66.69	6036.39	-14.05	14.92	71.75	-110.76	-.73	-9.44		1.70	1.70	.325
		11.3	-67.86	9160.40	-685.55	14.92	66.80	-110.76	-.74	-14.37		1.59	1.59	.482
		15.0	-69.45	12024.31	-1357.06	14.92	60.27	-110.76	-.75	-18.93		1.45	1.45	.626
201- 303	120- 1	0.0	6.10	423.33	-543.24	-7.79	-4.63	3.58	.22	8.59		.66	.66	.279
		8.2	5.74	3.75	219.79	-7.79	-3.94	3.58	.20	2.74		.64	.64	.094
		16.3	5.39	-324.25	936.78	-4.39	-1.55	3.58	.19	12.37		.35	.35	.398
		24.5	5.03	-145.30	646.84	11.23	5.22	3.58	.18	8.27		.90	.90	.268
		32.6	4.80	697.16	-1428.37	31.60	11.86	3.58	.17	19.83		2.42	2.42	.633

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z -----KSI-----	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-3.72	357.07	93.47	.78	-6.87	.01	-.23	4.01	8.72	.09	1.07	.440
		3.6	-3.72	95.79	59.52	.78	-5.15	.01	-.23	1.07	5.55	.09	.80	.237
		7.3	-3.72	-90.59	25.57	.78	-3.42	.01	-.23	-1.02	2.39	.09	.53	.125
		10.9	-3.72	-202.07	-8.38	.78	-1.70	.01	-.23	-2.27	-.78	.09	.26	.109
		14.5	-3.72	-238.64	-42.34	.78	.02	.01	-.23	-2.68	-3.95	.09	.00	.232
101- 104	W18- 1	0.0	.51	350.15	86.99	.67	-6.58	-.01	.03	3.93	8.11	.08	1.02	.408
		3.6	.51	101.62	57.91	.67	-4.86	-.01	.03	1.14	5.40	.08	.75	.225
		7.2	.51	-72.07	28.84	.67	-3.13	-.01	.03	-.81	2.69	.08	.49	.120
		10.9	.51	-170.93	-.24	.67	-1.41	-.01	.03	-1.92	-.02	.08	.22	.063
		14.5	.51	-194.95	-29.31	.67	.31	-.01	.03	-2.19	-2.73	.08	.05	.165
101- 201	DKL- 1	0.0	-18.44	-303.20	532.25	2.88	.68	180.46	-.20	-.96		.21	.21	.038
		3.8	-19.61	-272.72	402.45	2.88	.68	180.46	-.22	-.76		.21	.21	.032
		7.5	-20.77	-242.24	272.67	2.88	.68	180.46	-.23	-.57		.21	.21	.026
		11.3	-21.93	-211.77	142.89	2.88	.68	180.46	-.24	-.40		.21	.21	.021
		15.0	-23.09	-181.29	13.11	2.88	.68	180.46	-.25	-.28		.21	.21	.018
102- 103	W18- 1	0.0	-3.57	-239.67	-35.56	-.57	.35	-.02	-.22	-2.69	-3.32	.07	.05	.210
		3.6	-3.57	-187.28	-10.90	-.57	2.07	-.02	-.22	-2.10	-1.02	.07	.32	.111
		7.3	-3.57	-59.79	13.76	-.57	3.79	-.02	-.22	-.67	1.29	.07	.59	.075
		10.9	-3.57	142.61	38.46	-.57	5.51	-.02	-.22	1.60	3.59	.07	.86	.185
		14.5	-3.57	419.99	63.14	-.57	7.24	-.02	-.22	4.71	5.89	.07	1.12	.363
102- 104	W08- 1	0.0	-.66	-1.21	-6.80	-.10	-.18	-.00	-.09	-.06	-1.21	.02	.09	.050
		3.6	-.66	-7.22	-2.66	-.10	-.09	-.00	-.09	-.35	-.48	.02	.05	.034
		7.2	-.66	-9.45	1.48	-.10	-.01	-.00	-.09	-.45	.26	.02	.01	.030
		10.9	-.66	-7.90	5.61	-.10	.08	-.00	-.09	-.38	1.00	.02	.04	.053
		14.5	-.66	-2.57	9.75	-.10	.17	-.00	-.09	-.12	1.74	.02	.09	.070
102- 105	W08- 1	0.0	-.83	1.24	.04	.02	-.15	.00	-.12	.06	.01	.00	.08	.010
		3.6	-.83	-3.22	-.90	.02	-.06	.00	-.12	-.15	-.16	.00	.03	.018
		7.2	-.83	-3.90	-1.83	.02	.03	.00	-.12	-.19	-.33	.00	.02	.025
		10.9	-.83	-.81	-2.76	.02	.11	.00	-.12	-.04	-.49	.00	.06	.026
		14.5	-.83	6.07	-3.69	.02	.20	.00	-.12	.29	-.66	.00	.10	.040
103- 105	W18- 1	0.0	-2.96	495.18	-54.96	-.43	-7.62	-.01	-.18	5.56	-5.13	.05	1.18	.362
		3.6	-2.96	201.34	-35.39	-.43	-5.90	-.01	-.18	2.26	-3.39	.05	.92	.197
		7.2	-2.96	-17.67	-17.82	-.43	-4.18	-.01	-.18	-.20	-1.66	.05	.65	.072
		10.9	-2.96	-161.64	.74	-.43	-2.46	-.01	-.18	-1.82	.07	.05	.38	.068
		14.5	-2.96	-231.18	19.31	-.43	-.73	-.01	-.18	-2.59	1.80	.05	.11	.152
103- 203	DKL- 1	0.0	-19.85	-428.61	-667.60	-4.68	3.35	-118.10	-.22	-1.24		.22	.22	.047
		3.8	-21.02	-278.25	-457.06	-4.68	3.35	-118.10	-.23	-.84		.22	.22	.035
		7.5	-22.18	-127.70	-246.55	-4.68	3.35	-118.10	-.24	-.43		.22	.22	.023
		11.3	-23.34	22.86	-36.03	-4.68	3.35	-118.10	-.26	-.07		.22	.22	.011
		15.0	-24.50	173.41	174.50	-4.68	3.35	-118.10	-.27	-.38		.22	.22	.022

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
205- 206	W21- 1	0.0	38.25	-766.52	19.21	.15	-2.06	-.02	1.78	-5.09	1.13	.01	.21	.262
		3.6	38.25	-724.17	12.80	.15	4.01	-.02	1.78	-4.81	.75	.01	.41	.240
		7.3	38.25	-417.93	6.40	.15	10.07	-.02	1.78	-2.77	.38	.01	1.04	.163
		10.9	38.25	152.21	-.01	.15	16.14	-.02	1.78	1.01	-.00	.01	1.67	.094
		14.5	38.25	986.24	-6.41	.15	22.20	-.02	1.78	6.55	-.38	.01	2.30	.282
206- 301	120- 1	0.0	171.92	476.60	357.32	3.12	-4.76	-17.17	6.08	7.46		.51	.51	.448
		8.2	171.56	46.97	52.20	3.12	-4.06	-17.17	6.07	.88		.47	.47	.239
		16.3	171.20	-316.79	-252.92	3.12	-3.37	-17.17	6.05	5.06		.43	.43	.371
		24.5	170.84	-502.64	-454.83	-.19	2.18	-17.17	6.04	8.71		.26	.26	.436
		32.6	170.59	381.25	7.06	-10.32	16.35	-17.17	6.03	4.76		1.47	1.47	.361
206- 306	UKL- 1	0.0	-137.08	-562.47	1045.35	14.43	78.07	334.07	-1.50	-1.86		2.00	2.00	.113
		3.8	-138.25	2950.65	396.17	14.43	78.07	334.07	-1.52	-4.66		2.00	2.00	.202
		7.5	-139.41	6464.16	-253.00	14.43	78.07	334.07	-1.53	-10.12		2.00	2.00	.376
		11.3	-140.57	9977.47	-902.17	14.43	78.07	334.07	-1.54	-15.67		2.00	2.00	.552
		15.0	-141.17	13490.79	-1551.35	14.43	78.07	334.07	-1.55	-21.24		2.00	2.00	.728
301- 303	125- 1	0.0	-9.54	174.92	-872.35	-16.90	-3.07	-7.30	-.50	-15.69		2.05	2.05	.518
		7.3	-9.54	-26.12	355.61	-4.33	-1.55	-7.30	-.50	-6.29		1.05	1.05	.221
		14.5	-9.54	-95.34	750.97	.24	-.04	-7.30	-.50	-13.35		.09	.09	.444
		21.7	-9.54	-32.74	313.75	9.81	1.48	-7.30	-.50	-5.56		1.10	1.10	.198
		29.0	-9.54	161.70	-956.07	19.38	2.99	-7.30	-.50	-17.10		2.10	2.10	.563
301- 306	123- 1	0.0	-109.36	-489.30	-102.55	-7.17	1.35	-9.93	-5.68	-8.82		.85	.85	.520
		7.2	-109.36	-311.26	315.93	-2.49	2.68	-9.93	-5.68	-7.82		.47	.47	.490
		14.5	-109.35	-34.52	336.31	1.98	3.62	-9.93	-5.68	-5.96		.52	.52	.433
		21.7	-109.36	307.88	-20.47	6.06	4.19	-9.93	-5.68	-5.44		.85	.85	.417
		29.0	-109.36	684.62	-638.53	7.63	4.42	-9.93	-5.68	-16.51		1.00	1.00	.755
301- 401	UKL- 1	0.0	-35.51	12136.15	-1217.16	-9.56	-44.96	-1099.83	-.39	-19.08		1.87	1.87	.619
		7.1	-35.48	7670.57	-399.89	-9.56	-59.76	-1099.83	-.39	-12.02		2.19	2.19	.395
		14.2	-35.45	1658.27	417.41	-9.56	-76.22	-1099.83	-.39	-2.98		2.55	2.55	.109
		21.4	-35.43	-5509.29	1234.70	-9.56	-91.09	-1099.83	-.39	-8.53		2.87	2.87	.285
		28.5	-35.40	-13528.04	2051.99	-9.56	-102.96	-1099.83	-.39	-21.56		3.13	3.13	.697
303- 306	125- 1	0.0	63.46	-425.97	112.16	7.29	.92	-20.29	3.30	7.77		.94	.94	.361
		7.2	63.46	-285.23	-316.84	2.61	2.25	-20.29	3.30	7.52		.54	.54	.353
		14.5	63.47	-45.79	-347.73	-1.86	3.19	-20.29	3.30	6.18		.56	.56	.311
		21.7	63.46	259.30	-1.46	-5.94	3.76	-20.29	3.30	4.57		.91	.91	.259
		29.0	63.46	598.72	606.08	-7.51	3.99	-20.29	3.30	15.02		1.06	1.06	.590
303- 403	UKL- 1	0.0	-16.62	11619.91	1105.36	9.72	-44.18	1746.81	-.18	-18.57		2.36	2.36	.595
		7.1	-16.59	7427.14	274.42	9.72	-59.00	1746.81	-.18	-11.63		2.68	2.68	.375
		14.2	-16.56	1675.66	-556.52	9.72	-75.44	1746.81	-.18	-2.76		3.04	3.04	.094
		21.4	-16.53	-5425.08	-1387.47	9.72	-90.31	1746.81	-.18	-8.76		3.36	3.36	.284
		28.5	-16.50	-13677.81	-2218.41	9.72	-102.16	1746.81	-.18	-21.68		3.62	3.62	.693

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406	DKL- 1	0.0	-216.78	15025.62	-1372.98	-10.68	-77.31	301.75	-2.38	-23.60		1.95	1.95	.838
		7.1	-215.75	8259.02	-459.45	-10.68	-82.78	301.75	-2.38	-12.94		2.07	2.07	.500
		14.2	-216.72	602.52	454.09	-10.68	-96.84	301.75	-2.38	-1.18		2.37	2.37	.128
		21.4	-216.69	-8311.31	1367.62	-10.68	-111.56	301.75	-2.38	-13.18		2.70	2.70	.508
		25.5	-216.66	-18594.89	2281.16	-10.68	-125.76	301.75	-2.38	-29.00		2.96	2.96	1.008
401- 501	JL4- 1	0.0	-1057.56	3517.46	17892.98	-79.15	56.16	416.11	-7.40	-11.46		1.49	1.49	.620
		1.1	-1058.04	4296.54	16991.62	-81.37	57.68	416.11	-7.40	-12.23		1.53	1.53	.645
		2.3	-1058.51	5096.24	20120.42	-83.55	59.17	416.11	-7.41	-13.04		1.56	1.56	.670
		3.4	-1058.99	5916.14	21278.69	-85.68	60.63	416.11	-7.41	-13.87		1.60	1.60	.697
		4.6	-1059.46	6755.65	22465.78	-87.76	62.06	416.11	-7.41	-14.74		1.63	1.63	.724
401- 510	P1- 1	0.0	1032.96	6443.45	-4916.97	-8.89	11.00	638.14	4.67	3.79		.28	.28	.282
		1.1	1032.24	6594.47	-4795.50	-8.89	11.12	638.14	4.66	3.81		.28	.28	.283
		2.3	1031.51	6747.18	-4674.03	-8.89	11.24	638.14	4.66	3.84		.28	.28	.284
		3.4	1030.78	6901.57	-4552.57	-8.89	11.37	638.14	4.66	3.87		.28	.28	.285
		4.6	1030.04	7057.64	-4431.10	-8.89	11.49	638.14	4.65	3.90		.28	.28	.285
403- 503	JL4- 1	0.0	-1101.96	3151.56	-17953.45	90.49	87.94	-73.07	-7.71	-11.44		1.79	1.79	.630
		1.1	-1102.45	4365.67	-19187.36	92.72	89.46	-73.07	-7.71	-12.36		1.83	1.83	.660
		2.3	-1102.91	5600.40	-20471.47	94.90	90.95	-73.07	-7.72	-13.33		1.86	1.86	.691
		3.4	-1103.38	6855.34	-21765.04	97.03	92.41	-73.07	-7.72	-14.35		1.90	1.90	.723
		4.6	-1103.85	8130.08	-23127.41	99.10	93.84	-73.07	-7.72	-15.40		1.93	1.93	.756
405- 511	P1- 1	0.0	1126.26	6977.75	4891.37	9.10	12.49	-334.22	5.09	3.99		.22	.22	.303
		1.1	1125.53	7149.11	4767.13	9.10	12.61	-334.22	5.09	4.02		.22	.22	.304
		2.3	1124.79	7322.18	4642.89	9.10	12.73	-334.22	5.08	4.06		.22	.22	.305
		3.4	1124.06	7496.92	4518.64	9.10	12.86	-334.22	5.08	4.09		.22	.22	.306
		4.6	1123.33	7673.35	4394.40	9.10	12.98	-334.22	5.08	4.14		.22	.22	.308
405- 506	JL4- 1	0.0	2343.36	-7586.48	2396.62	-10.57	-116.15	298.93	16.39	5.00		1.73	1.73	.729
		1.1	2342.88	-9194.40	2541.22	-10.57	-118.81	298.93	16.39	5.99		1.76	1.76	.760
		2.3	2342.41	-10838.44	2685.83	-10.57	-121.42	298.93	16.39	7.01		1.80	1.80	.792
		3.4	2341.94	-12517.78	2830.43	-10.57	-123.97	298.93	16.38	8.06		1.83	1.83	.825
		4.6	2341.46	-14231.65	2975.04	-10.57	-126.46	298.93	16.38	9.13		1.87	1.87	.859
406- 512	P1- 1	0.0	-2578.17	-13406.01	-196.24	-.12	26.07	373.66	-11.65	-6.27		.32	.32	.604
		1.1	-2578.90	-13049.12	-194.61	-.12	26.19	373.66	-11.65	-6.10		.32	.32	.599
		2.3	-2579.64	-12690.55	-192.99	-.12	26.32	373.66	-11.66	-5.94		.33	.33	.594
		3.4	-2580.37	-12330.30	-191.37	-.12	26.44	373.66	-11.66	-5.77		.33	.33	.588
		4.6	-2581.10	-11968.39	-189.74	-.12	26.56	373.66	-11.66	-5.60		.33	.33	.583
501- 502	165- 1	0.0	132.94	44.12	604.69	1.54	-.82	-230.67	4.40	5.43		1.14	1.14	.325
		3.8	132.94	15.49	463.70	3.99	-.43	-230.67	4.40	4.33		1.30	1.30	.290
		7.6	132.94	4.60	242.20	6.64	-.04	-230.67	4.40	2.17		1.47	1.47	.222
		11.4	132.94	11.43	-119.79	9.29	.35	-230.67	4.40	1.08		1.65	1.65	.197
		15.1	132.94	36.00	-602.28	11.94	.74	-230.67	4.40	5.40		1.83	1.83	.324

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	165- 1	0.0	-314.11	-1066.14	674.05	4.30	4.55	-131.07	-10.40	-11.29		1.00	1.00	.720
		3.8	-314.10	-850.64	448.83	5.61	4.93	-131.07	-10.40	-8.61		1.08	1.08	.639
		7.6	-314.09	-618.27	164.23	6.91	5.29	-131.07	-10.40	-5.73		1.16	1.16	.558
		11.4	-314.08	-359.88	-179.73	8.22	5.63	-131.07	-10.40	-3.68		1.25	1.25	.501
		15.2	-314.07	-106.34	-563.07	9.53	5.96	-131.07	-10.40	-5.31		1.33	1.33	.549
501- 601	JL5- 1	0.0	-1039.72	6325.32	20105.75	116.56	-31.57	209.83	-7.27	-13.29		1.78	1.78	.674
		1.5	-1040.35	5756.29	18047.31	115.86	-29.72	209.83	-7.28	-11.90		1.74	1.74	.630
		3.0	-1040.99	5240.51	15957.32	113.25	-27.93	209.83	-7.28	-10.55		1.70	1.70	.587
		4.6	-1041.63	4746.91	13914.22	110.72	-26.19	209.83	-7.29	-9.24		1.66	1.66	.546
		6.1	-1042.26	4284.60	11916.52	108.27	-24.50	209.83	-7.29	-7.96		1.62	1.62	.506
501- 642	200- 1	0.0	11.31	265.24	-1646.54	-16.04	-2.76	-235.18	.30	9.33		1.62	1.62	.306
		5.1	11.32	115.40	-661.43	-13.78	-2.09	-235.18	.30	3.87		1.39	1.39	.133
		10.1	11.34	8.20	32.56	-9.77	-1.44	-235.18	.30	.19		1.18	1.18	.016
		15.2	11.36	-60.16	510.26	-5.99	-.81	-235.18	.30	2.88		.98	.98	.101
		20.2	11.36	-91.37	764.46	-2.42	-.22	-235.18	.30	4.31		.79	.79	.147
502- 503	165- 1	0.0	138.11	53.19	-495.59	-10.05	-.66	167.68	4.57	4.46		1.42	1.42	.300
		3.8	138.11	31.27	-99.19	-7.40	-.29	167.68	4.57	.93		1.24	1.24	.189
		7.6	138.11	27.06	176.71	-4.74	.10	167.68	4.57	1.60		1.07	1.07	.210
		11.4	138.11	40.63	332.11	-2.09	.49	167.68	4.57	3.00		.89	.89	.254
		15.1	138.11	71.91	367.01	.56	.88	167.68	4.57	3.35		.82	.82	.265
502- 504	125- 1	0.0	-8.90	-161.75	-29.03	1.25	.62	101.81	-.46	-2.90		1.04	1.04	.109
		3.8	-8.90	-127.77	-61.89	.20	.87	101.81	-.46	-2.50		.99	.99	.097
		7.6	-8.91	-82.77	-46.93	-.86	1.11	101.81	-.46	-1.68		1.04	1.04	.071
		11.4	-8.91	-27.62	15.84	-1.91	1.32	101.81	-.46	-.56		1.14	1.14	.035
		15.1	-8.92	36.63	126.42	-2.96	1.51	101.81	-.46	-2.32		1.24	1.24	.091
502- 505	125- 1	0.0	-18.26	-184.53	-77.67	-1.82	.79	-95.11	-.95	-3.53		1.04	1.04	.148
		3.8	-18.26	-142.73	-19.07	-.76	1.04	-95.11	-.95	-2.54		.97	.97	.117
		7.6	-18.27	-89.91	-8.26	.29	1.26	-95.11	-.95	-1.59		.97	.97	.087
		11.4	-18.27	-26.94	-45.30	1.34	1.49	-95.11	-.95	-.93		1.05	1.05	.066
		15.1	-18.28	45.32	-130.13	2.39	1.69	-95.11	-.95	-2.43		1.14	1.14	.113
503- 505	165- 1	0.0	135.08	-920.36	-456.36	-.91	3.92	135.65	4.47	9.12		.87	.87	.444
		3.8	135.09	-735.49	-365.44	-2.21	4.30	135.65	4.47	7.34		.93	.93	.388
		7.6	135.10	-529.75	-235.14	-3.52	4.66	135.65	4.48	5.19		.99	.99	.320
		11.4	135.11	-309.99	-45.47	-4.83	5.00	135.65	4.48	2.81		1.07	1.07	.245
		15.2	135.12	-75.08	203.57	-6.13	5.33	135.65	4.48	1.94		1.15	1.15	.217
503- 603	JL5- 1	0.0	-758.48	6898.27	-20877.92	-128.75	-39.23	-173.13	-5.31	-13.81		1.94	1.94	.622
		1.5	-759.11	6199.50	-18553.53	-126.05	-37.38	-173.13	-5.31	-12.29		1.89	1.89	.574
		3.0	-759.75	5533.98	-16277.80	-123.44	-35.56	-173.13	-5.32	-10.80		1.85	1.85	.527
		4.6	-760.38	4900.65	-14048.55	-120.91	-33.85	-173.13	-5.32	-9.35		1.81	1.81	.481
		6.1	-761.02	4298.60	-11864.91	-118.46	-32.16	-173.13	-5.32	-7.93		1.77	1.77	.435

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SPCTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
503- 645	200- 1	0.0	-554.45	-1478.44	472.19	7.22	10.36	116.65	-14.57	-8.69		.99	.99	.795
		5.1	-554.42	-962.67	92.24	5.31	8.51	116.65	-14.57	-5.08		.86	.86	.692
		10.1	-554.39	-430.67	-175.82	3.53	6.94	116.65	-14.57	-2.60		.74	.74	.621
		15.2	-554.35	-58.64	-334.06	1.62	5.33	116.65	-14.57	-1.92		.62	.62	.601
		20.2	-554.32	216.19	-399.41	.21	3.80	116.65	-14.57	-2.55		.53	.53	.619
504- 505	125- 1	0.0	26.48	140.37	-89.06	-3.48	-.32	-1.60	1.38	2.93		.38	.38	.141
		3.8	26.49	139.64	21.71	-1.49	-.13	-1.60	1.38	2.32		.16	.16	.121
		7.6	26.49	126.12	57.93	.08	.05	-1.60	1.38	2.36		.09	.09	.122
		11.4	26.49	134.65	-40.41	2.77	.24	-1.60	1.38	2.48		.30	.30	.126
		15.1	26.40	149.57	-213.30	4.65	.42	-1.60	1.38	4.59		.52	.52	.193
504- 506	165- 1	0.0	-337.35	-244.90	-367.60	-5.61	7.79	74.21	-11.17	-3.95		.97	.97	.539
		3.8	-337.34	116.04	-142.44	-4.30	8.09	74.21	-11.17	-1.64		.94	.94	.473
		7.6	-337.33	459.55	23.76	-3.01	8.35	74.21	-11.17	-4.39		.92	.92	.559
		11.4	-337.34	875.69	131.37	-1.73	8.56	74.21	-11.17	-7.91		.91	.91	.649
		15.1	-337.34	1267.36	162.76	-.45	8.75	74.21	-11.17	-11.46		.91	.91	.752
505- 506	165- 1	0.0	106.47	-210.96	-139.66	-.32	7.44	-79.98	3.53	2.27		.85	.85	.194
		3.8	106.48	135.78	-95.56	-1.62	7.73	-79.98	3.53	1.47		.88	.88	.159
		7.6	106.48	491.06	7.66	-2.92	7.99	-79.98	3.53	4.40		.92	.92	.262
		11.4	106.48	859.23	169.49	-4.20	8.21	-79.98	3.53	7.84		.97	.97	.371
		15.1	106.47	1236.49	369.54	-5.48	8.39	-79.98	3.53	11.61		1.02	1.02	.490
506- 606	0L5- 1	0.0	2011.56	-10275.58	2611.41	17.30	67.13	426.60	14.07	6.66		1.10	1.10	.701
		1.5	2010.94	-9086.49	2295.79	17.30	63.90	426.60	14.07	5.86		1.06	1.06	.676
		3.0	2010.31	-7943.49	1980.17	17.30	60.77	426.60	14.06	5.14		1.02	1.02	.652
		4.6	2009.67	-6662.76	1664.55	17.30	57.73	426.60	14.06	4.44		.98	.98	.630
		6.1	2009.03	-5636.65	1348.93	17.30	54.76	426.60	14.05	3.76		.94	.94	.608
506- 644	200- 1	0.0	562.51	1657.95	1451.73	10.56	-12.59	90.50	14.79	10.71		1.12	1.12	.654
		5.1	562.53	913.99	464.67	8.23	-10.27	90.50	14.79	5.75		.94	.94	.597
		10.1	562.57	350.45	37.60	5.96	-7.96	90.50	14.79	2.03		.78	.78	.579
		15.2	562.61	-54.11	-260.66	3.64	-5.70	90.50	14.79	1.09		.61	.61	.562
		20.2	562.65	-333.34	-431.50	1.62	-3.51	90.50	14.79	3.05		.46	.46	.611
510- 710	P1- 1	0.0	1029.44	7044.51	-4367.41	-10.14	-31.71	884.91	4.65	3.90		.50	.50	.245
		6.3	1025.75	4775.25	-3416.51	-10.14	-30.05	884.91	4.64	2.80		.49	.49	.250
		12.7	1021.67	2517.76	-2465.62	-10.14	-29.35	884.91	4.62	1.78		.49	.49	.217
		19.0	1017.59	312.07	-2074.73	-10.14	-28.57	884.91	4.60	.98		.48	.48	.191
		25.3	1013.49	-1641.02	-1353.83	-10.14	-27.99	884.91	4.58	1.06		.48	.48	.193
511- 711	P1- 1	0.0	1123.[illegible]	77[illegible].33	4347.64	10.47	-39.51	-690.70	5.06	4.16		.53	.53	.3[illegible]
		6.3	111[illegible].99	4722.2[illegible]	3551.34	10.47	-38.83	-690.70	5.05	2.76		.52	.52	.263
		12.7	111[illegible]	1795.07	2755.15	10.47	-38.15	-690.70	5.04	1.54		.52	.52	.226
		19.0	111[illegible].82	-1379.07	195[illegible]	10.47	-37.47	-690.70	5.02	1.[illegible]		.51	.51	.238
		25.3	11[illegible].73	-39[illegible]	1162.65	10.47	-36.78	-690.70	5.[illegible]	1.90		.51	.51	.234

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									/----	----	KSI ----	----	----/	
512- 712	P1- 1	0.0	-2580.96	-11968.39	-184.77	-.12	55.95	396.34	-11.66	-5.60		.60	.60	.583
		6.3	-2585.04	-7688.13	-180.73	-.12	56.63	396.34	-11.68	-3.60		.60	.60	.528
		12.7	-2589.13	-3355.04	-171.69	-.12	57.32	396.34	-11.70	-1.57		.61	.61	.472
		19.0	-2593.22	1027.90	-162.65	-.12	58.00	396.34	-11.72	-.49		.62	.62	.443
		25.3	-2597.31	5463.67	-153.60	-.12	58.68	396.34	-11.74	-2.56		.62	.62	.501
601- 641	JL6- 1	0.0	-1051.21	4090.09	11594.66	87.40	-28.70	697.36	-7.35	-7.72		1.51	1.51	.500
		1.5	-1051.85	3580.06	10021.55	85.01	-27.14	697.36	-7.36	-6.69		1.47	1.47	.468
		3.0	-1052.48	3099.99	8491.34	82.69	-25.54	697.36	-7.36	-5.68		1.43	1.43	.436
		4.6	-1053.12	2646.16	7002.87	80.44	-23.98	697.36	-7.37	-4.70		1.39	1.39	.405
		6.1	-1053.75	2224.48	5554.91	78.26	-22.46	697.36	-7.37	-3.76		1.36	1.36	.376
603- 643	JL6- 1	0.0	-770.18	4099.72	-11537.97	-97.04	-36.92	-671.03	-5.39	-7.69		1.66	1.66	.431
		1.5	-770.82	3440.95	-9788.85	-94.66	-35.25	-671.03	-5.39	-6.52		1.62	1.62	.394
		3.0	-771.45	2811.73	-8082.62	-92.34	-33.68	-671.03	-5.40	-5.38		1.59	1.59	.356
		4.6	-772.09	2211.36	-6418.13	-90.08	-32.12	-671.03	-5.40	-4.26		1.55	1.55	.323
		6.1	-772.72	1639.12	-4794.17	-87.90	-30.60	-671.03	-5.41	-3.18		1.51	1.51	.289
606- 646	JL6- 1	0.0	2009.20	-5836.65	1347.54	17.30	46.27	431.17	14.06	3.76		.85	.85	.608
		1.5	2008.57	-4981.66	1031.75	17.30	45.40	431.17	14.05	3.20		.82	.82	.590
		3.0	2007.93	-4176.61	715.96	17.30	42.62	431.17	14.05	2.66		.78	.78	.573
		4.6	2007.29	-3425.50	400.17	17.30	39.91	431.17	14.04	2.17		.74	.74	.557
		6.1	2006.66	-2721.09	84.38	17.30	37.29	431.17	14.04	1.71		.71	.71	.543
641- 651	JL6- 1	0.0	-1053.75	2224.48	5554.91	76.26	-22.46	697.36	-7.37	-3.76		1.36	1.36	.376
		1.5	-1054.38	1834.63	4154.75	75.20	-20.27	697.36	-7.38	-2.85		1.31	1.31	.347
		3.0	-1055.02	1484.24	2809.51	72.24	-18.14	697.36	-7.38	-2.00		1.26	1.26	.320
		4.6	-1055.66	1172.34	1517.56	69.36	-16.05	697.36	-7.39	-1.20		1.22	1.22	.295
		6.1	-1056.29	897.95	277.47	66.56	-14.03	697.36	-7.39	-.59		1.17	1.17	.276
642- 703	200- 1	0.0	11.38	-91.33	764.43	-2.42	-.22	-235.31	.30	4.31		.79	.79	.147
		5.5	11.43	-62.59	740.08	3.10	.47	-235.31	.30	4.17		.82	.82	.142
		11.0	11.48	-29.78	363.17	8.30	1.13	-235.31	.30	2.04		1.10	1.10	.075
		16.4	11.52	65.55	-344.37	13.22	1.77	-235.31	.30	1.97		1.36	1.36	.073
		21.9	11.56	201.66	-1369.62	17.84	2.37	-235.31	.30	7.75		1.60	1.60	.256
643- 653	JL6- 1	0.0	-772.72	1639.12	-4794.17	-87.90	-30.60	-671.03	-5.41	-3.18		1.51	1.51	.289
		1.5	-773.35	1100.73	-3218.01	-84.85	-28.41	-671.03	-5.41	-2.14		1.46	1.46	.256
		3.0	-773.99	601.60	-1696.76	-81.88	-26.28	-671.03	-5.41	-1.13		1.41	1.41	.224
		4.6	-774.63	141.35	-224.80	-79.00	-24.19	-671.03	-5.42	-.17		1.37	1.37	.195
		6.1	-775.25	-281.59	1167.29	-76.20	-22.17	-671.03	-5.42	-.77		1.32	1.32	.213
644- 701	200- 1	0.0	562.65	-333.30	-431.57	1.72	-3.69	90.30	-14.79	3.05		.47	.47	.611
		5.5	562.68	-471.25	-443.34	-1.33	-.53	90.30	14.79	3.62		.33	.33	.629
		11.0	562.70	-406.22	-259.75	-4.22	2.46	90.30	14.79	2.70		.51	.51	.600
		15.5	562.72	-147.92	108.70	-6.95	5.34	90.30	14.79	1.03		.71	.71	.547
		21.9	562.75	293.08	651.53	-9.52	8.04	90.30	14.79	4.00		.91	.91	.641

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT'N	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
645- 706	200- 1	0.0	-554.32	210.14	-399.44	.04	3.74	116.83	-14.57	-2.55		.52	.52	.625
		5.5	-554.28	378.51	-320.53	-2.41	1.16	116.83	-14.57	-2.78		.47	.47	.631
		11.0	-554.23	373.21	-65.85	-4.70	-1.30	116.83	-14.57	-2.14		.58	.58	.613
		16.4	-554.19	211.08	294.74	-6.85	-3.61	116.83	-14.57	-2.03		.73	.73	.609
		21.9	-554.16	-99.56	811.84	-8.84	-5.81	116.83	-14.57	-4.58		.88	.88	.683
645- 650	JL6- 1	0.0	2006.59	-2721.09	85.08	17.30	40.54	431.03	14.04	1.71		.75	.75	.543
		1.5	2005.96	-2016.68	-230.62	17.30	36.46	431.03	14.03	1.28		.70	.70	.529
		3.0	2005.32	-1389.86	-546.35	17.30	32.48	431.03	14.03	.94		.65	.65	.518
		4.6	2004.69	-832.82	-862.03	17.30	28.59	431.03	14.02	.75		.60	.60	.512
		6.1	2004.05	-345.71	-1177.73	17.30	24.82	431.03	14.02	.77		.56	.56	.512
651- 701	JL6- 1	0.0	-1113.01	849.96	677.01	20.21	-15.88	1419.68	-7.79	-.48		.81	.81	.293
		1.8	-1113.74	536.56	200.76	17.03	-13.56	1419.68	-7.79	-.38		.75	.75	.284
		3.5	-1114.48	271.31	-48.98	13.96	-11.35	1419.68	-7.80	-.17		.70	.70	.279
		5.3	-1115.22	52.74	-314.39	10.99	-9.19	1419.68	-7.80	.20		.65	.65	.280
		7.1	-1115.96	-120.64	-517.67	8.12	-7.10	1419.68	-7.81	-.33		.60	.60	.284
653- 703	JL6- 1	0.0	-825.24	-253.75	808.23	-30.36	-23.51	-1385.51	-5.77	-.53		.97	.97	.218
		1.8	-825.97	-729.71	1420.62	-27.19	-21.21	-1385.51	-5.78	-1.00		.92	.92	.233
		3.5	-826.71	-1157.50	1966.50	-24.11	-18.99	-1385.51	-5.78	-1.43		.86	.86	.247
		5.3	-827.45	-1536.61	2448.06	-21.14	-16.83	-1385.51	-5.79	-1.82		.81	.81	.259
		7.1	-828.19	-1674.54	2867.49	-18.27	-14.74	-1385.51	-5.79	-2.15		.76	.76	.270
656- 706	JL6- 1	0.0	2004.06	-345.71	-1177.93	17.30	23.49	430.49	14.02	.77		.55	.55	.512
		1.8	2003.32	116.97	-1546.28	17.30	19.59	430.49	14.01	.97		.50	.50	.519
		3.5	2002.58	489.40	-1914.63	17.30	15.41	430.49	14.01	1.24		.46	.46	.527
		5.3	2001.83	774.13	-2282.98	17.30	11.35	430.49	14.00	1.51		.42	.42	.535
		7.1	2001.08	973.79	-2651.33	17.30	7.42	430.49	14.00	1.77		.40	.40	.543
701- 702	137- 1	0.0	48.95	104.03	-75.27	-4.32	-1.10	-7.86	3.36	2.93		.70	.70	.210
		4.7	48.95	45.27	95.45	-1.74	-.99	-7.86	3.36	2.41		.36	.36	.193
		9.4	48.95	-7.41	121.00	.84	-.88	-7.86	3.36	2.77		.26	.26	.204
		14.1	48.95	-54.02	1.37	3.42	-.77	-7.86	3.36	1.23		.57	.57	.156
		18.8	48.95	-94.56	-263.43	5.99	-.67	-7.86	3.36	6.39		.92	.92	.319
701- 704	137- 1	0.0	-7.37	28.65	60.87	-1.31	-.70	-14.34	-.51	-1.54		.37	.37	.074
		4.7	-7.38	-7.88	97.87	-.01	-.60	-14.34	-.51	-2.24		.25	.25	.096
		9.4	-7.39	-39.00	62.07	1.28	-.51	-14.34	-.51	-1.67		.35	.35	.078
		14.1	-7.41	-65.36	-45.94	2.56	-.43	-14.34	-.51	-1.82		.52	.52	.083
		18.8	-7.44	-87.64	-225.59	3.82	-.36	-14.34	-.51	-5.52		.69	.69	.200
701- 801	JL7- 1	0.0	-528.00	-516.61	-523.33	22.35	-10.84	443.40	-7.47	-.93		.98	.98	.298
		6.6	-529.36	-1102.25	-1908.12	12.85	-4.09	443.40	-7.49	-2.80		.66	.66	.350
		13.2	-530.74	-1182.32	-2581.45	4.33	1.96	443.40	-7.51	-3.61		.42	.42	.376
		19.8	-532.11	-807.93	-2615.10	-3.35	7.41	443.40	-7.53	-3.48		.51	.51	.372
		26.4	-533.47	-23.30	-2071.71	-10.28	12.35	443.40	-7.55	-2.63		.74	.74	.347

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y -------	Z KSI-------	Y SHEAR STRESS -------	Z SHEAR STRESS -------/	COMB. UNITY CHECK
701- 806	200- 1	0.0	-461.14	-816.37	-440.04	-7.31	7.94	8.88	-12.12	-5.19		.59	.59	.745
		12.2	-461.04	74.76	306.66	-2.95	4.27	8.88	-12.12	-1.77		.30	.30	.616
		24.4	-460.99	449.44	442.32	1.02	.88	8.88	-12.12	-3.53		.10	.10	.682
		36.6	-460.96	342.13	28.56	4.55	-2.31	8.88	-12.12	-1.92		.29	.29	.621
		48.8	-460.94	-216.93	-872.99	7.70	-5.29	8.88	-12.12	-5.03		.52	.52	.739
702- 703	137- 1	0.0	48.50	-90.20	-273.62	-6.22	.56	.24	3.33	6.56		.86	.86	.324
		4.7	48.50	-54.29	4.02	-3.64	.69	.24	3.33	1.24		.51	.51	.155
		9.4	48.50	-12.31	136.47	-1.06	.80	.24	3.33	3.13		.19	.19	.215
		14.1	48.50	35.75	123.76	1.52	.91	.24	3.33	2.94		.25	.25	.209
		18.8	48.50	89.67	-34.14	4.10	1.02	.24	3.33	2.19		.58	.58	.185
702- 704	127- 1	0.0	-8.85	1.03	100.34	2.46	-.63	6.56	-.74	-3.36		.54	.54	.136
		4.7	-8.84	-23.97	-6.01	1.32	-.26	6.56	-.74	-.83		.34	.34	.056
		9.4	-8.84	-28.52	-48.49	.19	.10	6.56	-.74	-1.88		.15	.15	.090
		14.1	-8.83	-13.25	-27.11	-.95	.44	6.56	-.74	-1.01		.29	.29	.062
		18.8	-8.83	21.15	58.12	-2.08	.78	6.56	-.74	-2.07		.48	.48	.096
702- 705	127- 1	0.0	-8.06	-4.03	-90.16	-2.40	-.62	-4.45	-.68	-3.02		.49	.49	.123
		4.7	-8.06	-20.51	12.85	-1.26	-.25	-4.45	-.68	-1.05		.29	.29	.061
		9.4	-8.05	-32.54	52.00	-.13	.11	-4.45	-.68	-2.05		.10	.10	.092
		14.1	-8.05	-16.76	27.28	1.01	.45	-4.45	-.68	-1.07		.26	.26	.061
		18.8	-8.04	18.16	-61.29	2.14	.79	-4.45	-.68	-2.14		.46	.46	.095
703- 705	137- 1	0.0	-22.58	33.56	-109.00	.96	-.69	13.81	-1.55	-2.60		.32	.32	.160
		4.7	-22.58	-2.29	-126.62	-.34	-.59	13.81	-1.55	-2.89		.25	.25	.169
		9.4	-22.60	-32.72	-71.45	-1.62	-.50	13.81	-1.55	-1.79		.39	.39	.134
		14.1	-22.62	-58.41	55.94	-2.90	-.42	13.81	-1.55	-1.85		.56	.56	.136
		18.8	-22.65	-80.00	254.97	-4.17	-.35	13.81	-1.55	-6.10		.73	.73	.270
703- 801	200- 1	0.0	-14.83	16.77	1408.20	17.71	-1.59	-7.92	-.39	-7.88		.96	.96	.267
		12.2	-14.73	-129.38	-478.51	8.22	-.43	-7.92	-.39	-2.77		.46	.46	.105
		24.4	-14.69	-116.64	-1047.61	-.32	.59	-7.92	-.39	-5.90		.06	.06	.204
		36.6	-14.64	37.57	-420.77	-8.12	1.50	-7.92	-.38	-2.36		.46	.46	.092
		48.8	-14.57	318.88	1294.91	-15.19	2.32	-7.92	-.38	-7.46		.83	.83	.254
703- 803	JL7- 1	0.0	-812.70	-1543.51	2390.61	-15.06	-8.13	7.73	-11.50	-3.62		.50	.50	.519
		6.6	-814.06	-1915.17	3246.43	-6.16	-1.39	7.73	-11.52	-4.79		.18	.18	.553
		13.2	-815.45	-1781.26	3390.76	2.36	4.67	7.73	-11.54	-4.87		.15	.15	.556
		19.8	-816.81	-1192.89	2895.47	10.04	10.12	7.73	-11.56	-3.98		.41	.41	.531
		26.4	-818.17	-194.28	1823.11	16.97	15.06	7.73	-11.57	-2.33		.65	.65	.487
704- 705	127- 1	0.0	16.79	19.01	-159.26	-4.62	-.65	-1.73	1.41	5.36		.81	.81	.219
		4.7	16.79	-6.60	35.81	-2.32	-.33	-1.73	1.41	1.23		.42	.42	.088
		9.4	16.79	-17.73	101.57	-.02	.00	-1.73	1.41	3.45		.03	.03	.158
		14.1	16.79	-6.38	37.98	2.28	.33	-1.73	1.41	1.30		.42	.42	.090
		18.8	16.79	19.44	-154.94	4.58	.66	-1.73	1.41	5.22		.81	.81	.214

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	BENDING STRESS Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
704- 706	137- 1	0.0	-26.05	-90.75	-8.19	-1.80	1.07	24.56	-1.79	-2.08		.57	.57	.155
		4.7	-26.07	-29.13	57.57	-.54	1.12	24.56	-1.79	-1.47		.45	.45	.136
		9.4	-26.10	34.59	53.23	.69	1.14	24.56	-1.79	-1.45		.46	.46	.135
		14.1	-26.12	99.11	-20.32	1.92	1.15	24.56	-1.79	-2.31		.59	.59	.162
		18.8	-26.13	163.09	-162.17	3.12	1.12	24.56	-1.79	-5.25		.74	.74	.255
705- 706	137- 1	0.0	-40.88	-85.99	38.74	2.18	1.09	-20.08	-2.80	-2.15		.56	.56	.208
		4.7	-40.91	-22.96	-48.54	.93	1.14	-20.08	-2.81	-1.23		.43	.43	.179
		9.4	-40.93	42.17	-65.72	-.31	1.17	-20.08	-2.81	-1.78		.40	.40	.196
		14.1	-40.95	108.10	-13.66	-1.53	1.17	-20.08	-2.81	-2.49		.49	.49	.219
		18.8	-40.96	175.49	106.66	-2.74	1.15	-20.08	-2.81	-4.65		.64	.64	.287
706- 803	200- 1	0.0	473.60	1210.19	-1036.80	-10.64	-10.60	.73	12.45	8.92		.79	.79	.716
		12.2	473.67	-2.00	142.51	-5.52	-5.95	.73	12.45	.80		.43	.43	.459
		24.4	473.73	-535.59	597.08	-.76	-1.39	.73	12.45	4.49		.09	.09	.575
		36.6	473.79	-430.16	388.67	3.53	2.76	.73	12.45	3.24		.24	.24	.535
		48.8	473.90	253.39	-415.50	7.38	6.51	.73	12.46	2.72		.52	.52	.520
708- 806	JL7- 1	0.0	1398.16	2256.28	-1755.50	-6.42	16.76	-200.69	19.78	3.63		.64	.64	.804
		6.6	1396.82	3058.38	-1248.12	-6.42	3.71	-200.69	19.76	4.20		.34	.34	.821
		13.2	1395.48	2873.41	-740.73	-6.42	-8.22	-200.69	19.74	3.77		.42	.42	.807
		19.8	1394.10	1783.91	-233.35	-6.42	-19.19	-200.69	19.72	2.29		.70	.70	.759
		26.4	1392.74	-139.43	274.03	-6.42	-29.32	-200.69	19.70	.39		.98	.98	.698
710- 810	P2- 1	0.0	1013.60	-1843.95	-1300.88	-9.68	-4.86	985.93	4.03	.94		.29	.29	.170
		6.6	1008.77	-2196.45	-519.30	-9.68	-4.06	985.93	4.01	.94		.29	.29	.169
		13.2	1003.94	-2485.32	262.29	-9.68	-3.25	985.93	3.99	1.04		.29	.29	.172
		19.8	999.11	-2710.55	1043.87	-9.68	-2.45	985.93	3.98	1.21		.29	.29	.177
		26.4	994.28	-2872.14	1825.46	-9.68	-1.64	985.93	3.96	1.42		.29	.29	.183
711- 811	P2- 1	0.0	1106.88	-3903.31	1152.53	10.21	-5.28	-50.84	4.40	1.70		.10	.10	.207
		6.6	1102.05	-4289.21	345.42	10.21	-4.48	-50.84	4.38	1.79		.10	.10	.209
		13.2	1097.22	-4611.47	-461.69	10.21	-3.67	-50.84	4.37	1.93		.10	.10	.213
		19.8	1092.39	-4870.09	-1268.80	10.21	-2.87	-50.84	4.35	2.10		.09	.09	.218
		26.4	1087.56	-5065.07	-2075.91	10.21	-2.06	-50.84	4.33	2.28		.09	.09	.225
712- 812	P2- 1	0.0	-2597.53	5463.07	-150.93	-.12	6.48	-247.76	-10.34	-2.28		.10	.10	.443
		6.6	-2602.36	6007.64	-141.53	-.12	7.28	-247.76	-10.35	-2.50		.11	.11	.450
		13.2	-2607.19	6615.21	-132.13	-.12	8.09	-247.76	-10.37	-2.76		.12	.12	.458
		19.8	-2612.02	7286.38	-122.72	-.12	8.89	-247.76	-10.39	-3.04		.12	.12	.466
		26.4	-2616.85	8021.15	-113.32	-.12	9.69	-247.76	-10.41	-3.34		.13	.13	.475
801- 802	166- 1	0.0	44.56	81.91	-10.36	-3.16	-.71	-7.28	3.06	1.88		.53	.53	.166
		5.6	44.56	30.28	132.66	-1.08	-.64	-7.28	3.06	3.14		.25	.25	.205
		11.3	44.56	-4.42	135.07	1.01	-.57	-7.28	3.06	3.08		.24	.24	.204
		16.9	44.56	-40.17	-3.13	3.09	-.49	-7.28	3.06	.92		.51	.51	.135
		22.5	44.56	-70.98	-281.94	5.17	-.42	-7.28	3.06	6.64		.79	.79	.316

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804	16B- 1	0.0	-54.07	-8.48	118.19	-.69	-.37	-20.49	-3.71	-2.70		.34	.34	.289
		5.6	-54.06	-30.71	129.81	.34	-.29	-20.49	-3.71	-3.04		.30	.30	.299
		11.3	-54.05	-48.01	71.66	1.38	-.22	-20.49	-3.71	-1.97		.43	.43	.271
		16.9	-54.04	-60.36	-56.27	2.41	-.15	-20.49	-3.71	-1.88		.57	.57	.270
		22.5	-54.03	-67.78	-253.97	3.44	-.07	-20.49	-3.71	-6.00		.71	.71	.383
801- 901	JLB- 1	0.0	-544.59	409.75	-1894.72	3.10	-13.02	-194.09	-7.70	-2.46		.50	.50	.349
		6.8	-546.01	-466.13	-1877.23	-3.43	-8.39	-194.09	-7.72	-2.46		.38	.38	.350
		13.7	-547.43	-980.24	-1348.06	-9.38	-4.20	-194.09	-7.74	-2.12		.41	.41	.341
		20.5	-548.82	-1164.79	-350.15	-14.65	-.36	-194.09	-7.76	-1.55		.54	.54	.326
		27.4	-550.19	-1048.13	1080.35	-19.92	3.14	-194.09	-7.78	-1.91		.69	.69	.337
801- 905	200- 1	0.0	-5.25	94.76	-1125.16	-13.39	-1.30	-34.16	-.14	-6.32		.80	.80	.207
		14.0	-5.19	-51.06	494.40	-6.02	-.53	-34.16	-.14	-2.78		.41	.41	.095
		28.0	-5.16	-85.24	930.22	.74	.10	-34.16	-.14	-5.23		.13	.13	.172
		41.9	-5.14	-24.68	276.37	6.98	.62	-34.16	-.14	-1.55		.46	.46	.056
		55.9	-5.06	115.75	-1385.81	12.77	1.04	-34.16	-.13	-7.78		.77	.77	.253
802- 803	16B- 1	0.0	44.82	-75.63	-271.73	-5.06	.46	16.60	3.07	6.44		.89	.89	.311
		5.6	44.82	-42.25	-.13	-2.98	.53	16.60	3.07	.96		.60	.60	.136
		11.3	44.82	-3.74	130.86	-.90	.61	16.60	3.07	2.99		.34	.34	.202
		16.9	44.82	39.72	121.25	1.18	.68	16.60	3.07	2.91		.38	.38	.199
		22.5	44.82	88.11	-28.96	3.27	.75	16.60	3.07	2.12		.65	.65	.174
802- 804	14B- 1	0.0	-6.80	-10.70	68.77	1.92	-.44	9.38	-.57	-2.92		.49	.49	.117
		5.6	-6.80	-30.79	-12.57	1.01	-.16	9.38	-.57	-1.11		.33	.33	.050
		11.3	-6.79	-32.62	-50.19	.11	.10	9.38	-.57	-2.01		.18	.18	.086
		16.9	-6.79	-17.74	-26.69	-.80	.35	9.38	-.57	-1.07		.30	.30	.058
		22.5	-6.79	13.51	58.12	-1.71	.56	9.38	-.57	-2.00		.46	.46	.088
802- 805	14B- 1	0.0	-7.26	-4.78	-96.97	-1.96	-.44	-11.57	-.61	-3.25		.53	.53	.129
		5.6	-7.25	-25.46	4.83	-1.05	-.17	-11.57	-.61	-.87		.37	.37	.054
		11.3	-7.25	-28.08	45.32	-.15	.09	-11.57	-.61	-1.78		.22	.22	.083
		16.9	-7.24	-13.58	24.49	.76	.34	-11.57	-.61	-.94		.33	.33	.056
		22.5	-7.24	17.08	-57.60	1.67	.57	-11.57	-.61	-2.01		.49	.49	.090
803- 805	16B- 1	0.0	19.99	-17.20	-101.18	.65	-.37	17.99	1.37	2.34		.33	.33	.122
		5.6	20.00	-39.94	-123.43	-.19	-.30	17.99	1.37	2.96		.25	.25	.141
		11.3	20.01	-57.75	-75.92	-1.22	-.23	17.99	1.37	2.18		.38	.38	.117
		16.9	20.02	-70.02	41.38	-2.25	-.15	17.99	1.37	1.87		.52	.52	.107
		22.5	20.03	-78.54	228.44	-3.29	-.08	17.99	1.37	5.51		.66	.66	.222
803- 903	JLB- 1	0.0	-350.92	-739.39	2163.30	2.48	-4.98	115.03	-4.96	-2.91		.23	.23	.265
		6.8	-352.33	-954.68	1685.88	9.02	-.34	115.03	-4.98	-2.46		.33	.33	.251
		13.7	-353.75	-808.20	698.76	14.97	3.85	115.03	-5.00	-1.36		.51	.51	.220
		20.5	-355.14	-332.17	-758.06	20.44	7.69	115.03	-5.02	-1.05		.69	.69	.212
		27.4	-356.52	445.07	-2647.49	25.51	11.16	115.03	-5.04	-3.41		.86	.86	.284

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
803- 906	200- 1	0.0	-428.30	-962.66	271.91	5.62	6.38	34.46	-11.26	-5.60		.54	.54	.776
		14.0	-426.18	-110.04	-377.28	2.15	3.80	34.46	-11.26	-2.20		.33	.33	.635
		28.0	-424.11	316.39	-465.23	-1.07	1.30	34.46	-11.25	-3.15		.19	.19	.675
		41.9	-424.08	331.72	-31.31	-4.06	-1.11	34.46	-11.25	-1.86		.32	.32	.621
		55.9	-428.01	-51.87	882.11	-6.78	-3.46	34.46	-11.25	-4.94		.50	.50	.749
804- 805	145- 1	0.0	13.99	25.09	-148.85	-3.68	-.46	2.19	1.18	5.05		.66	.66	.201
		5.6	13.99	1.67	37.05	-1.82	-.23	2.19	1.18	1.24		.35	.35	.080
		11.3	13.99	-6.51	97.43	.04	-.01	2.19	1.18	3.27		.04	.04	.144
		16.9	13.99	.51	32.29	1.89	.22	2.19	1.18	1.08		.36	.36	.075
		22.5	13.99	22.75	-158.37	3.75	.44	2.19	1.18	5.35		.67	.67	.210
804- 805	168- 1	0.0	-69.09	-85.59	-47.00	-1.78	.96	16.49	-4.74	-2.19		.47	.47	.345
		5.6	-69.06	-16.39	38.33	-.76	1.02	16.49	-4.74	-.95		.36	.36	.299
		11.3	-69.09	55.65	55.56	.24	1.05	16.49	-4.74	-1.77		.34	.34	.327
		16.9	-69.09	125.23	6.22	1.22	1.06	16.49	-4.74	-2.86		.41	.41	.372
		22.5	-69.07	195.85	-108.64	2.18	1.05	16.49	-4.74	-5.11		.52	.52	.443
805- 806	168- 1	0.0	4.72	-89.50	12.42	1.53	.93	-23.33	.32	2.06		.51	.51	.077
		5.6	4.73	-24.56	-56.44	.51	.99	-23.33	.32	1.40		.42	.42	.056
		11.3	4.72	45.41	-57.19	-.49	1.02	-23.33	.32	1.64		.42	.42	.063
		16.9	4.71	112.52	8.64	-1.46	1.02	-23.33	.32	2.58		.51	.51	.093
		22.5	4.73	180.87	139.97	-2.42	1.00	-23.33	.32	5.22		.63	.63	.176
806- 901	200- 1	0.0	430.96	1161.99	922.98	8.24	-7.90	6.25	11.33	8.30		.62	.62	.657
		14.0	431.04	110.65	-121.00	4.23	-4.56	6.25	11.33	.95		.34	.34	.424
		28.0	431.14	-374.61	-506.58	.41	-1.36	6.25	11.33	3.53		.09	.09	.506
		41.9	431.21	-351.32	-279.04	-3.07	1.60	6.25	11.33	2.51		.20	.20	.474
		55.9	431.31	148.24	507.30	-6.25	4.32	6.25	11.34	2.96		.42	.42	.488
806- 906	JL8- 1	0.0	923.02	1026.58	-532.61	-6.68	13.89	326.40	13.07	1.47		.64	.64	.502
		6.8	922.65	1763.36	15.64	-6.68	4.12	326.40	13.05	2.24		.43	.43	.525
		13.7	921.23	1723.29	563.89	-6.68	-5.00	326.40	13.03	2.31		.44	.44	.527
		20.5	919.85	950.33	1112.14	-6.68	-13.59	326.40	13.01	1.86		.64	.64	.512
		27.4	918.43	-497.54	1660.39	-6.68	-21.75	326.40	12.99	2.20		.85	.85	.522
810- 910	P2- 1	0.0	994.37	-2875.31	1827.29	-10.04	18.22	-335.10	3.96	1.42		.24	.24	.183
		6.8	989.35	-1344.53	2651.67	-10.04	19.06	-335.10	3.94	1.24		.24	.24	.176
		13.7	984.34	254.94	3476.04	-10.04	19.90	-335.10	3.92	1.45		.25	.25	.182
		20.5	979.32	1923.08	4300.42	-10.04	20.73	-335.10	3.90	1.96		.25	.25	.198
		27.4	974.31	3659.90	5124.79	-10.04	21.57	-335.10	3.88	2.62		.26	.26	.218
811- 911	P2- 1	0.0	1087.74	-5067.97	-2071.33	10.32	39.50	407.61	4.33	2.28		.41	.41	.223
		6.8	1082.72	-1789.65	-2918.75	10.32	40.34	407.61	4.31	1.43		.42	.42	.195
		13.7	1077.71	1557.34	-3766.17	10.32	41.18	407.61	4.29	1.70		.42	.42	.203
		20.5	1072.69	4973.01	-4613.60	10.32	42.01	407.61	4.27	2.83		.43	.43	.238
		27.4	1067.68	8457.36	-5461.02	10.32	42.85	407.61	4.25	4.20		.44	.44	.281

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
812- 912	P2- 1	0.0	-2617.18	8021.15	-117.60	-.12	-58.06	628.50	-10.41	-3.34		.59	.59	.476
		6.8	-2622.19	3287.74	-107.83	-.12	-57.22	628.50	-10.43	-1.37		.59	.59	.423
		13.7	-2627.21	-1377.03	-98.07	-.12	-56.39	628.50	-10.45	-.58		.58	.58	.401
		20.5	-2632.22	-5973.16	-88.30	-.12	-55.55	628.50	-10.47	-2.49		.57	.57	.455
		27.4	-2637.24	-10500.65	-78.54	-.12	-54.72	628.50	-10.49	-4.38		.57	.57	.508
901- 902	149- 1	0.0	-41.54	65.64	22.29	-2.93	-.56	-19.15	-1.96	-1.00		.42	.42	.153
		6.6	-41.54	25.12	176.02	-.95	-.47	-19.15	-1.96	-2.57		.24	.24	.202
		13.2	-41.54	-6.06	172.82	1.03	-.37	-19.15	-1.96	-2.50		.24	.24	.200
		19.8	-41.54	-33.93	12.68	3.01	-.28	-19.15	-1.96	-.52		.42	.42	.137
		26.4	-41.54	-52.47	-304.40	4.99	-.19	-19.15	-1.96	-4.47		.61	.61	.262
901- 904	189- 1	0.0	-130.05	-67.39	165.44	-.45	-.17	-17.19	-6.13	-2.58		.17	.17	.459
		6.6	-131.02	-77.36	162.55	.52	-.08	-17.19	-6.13	-2.60		.17	.17	.461
		13.2	-129.99	-80.01	62.46	1.50	.01	-17.19	-6.13	-1.66		.27	.27	.437
		19.8	-129.97	-75.33	-74.84	2.47	.11	-17.19	-6.13	-1.54		.36	.36	.433
		26.4	-129.94	-63.33	-309.35	3.45	.20	-17.19	-6.13	-4.57		.45	.45	.515
901-1001	JL9- 1	0.0	-59.65	-1285.12	954.30	10.72	.12	-284.71	-.83	-2.04		.48	.48	.095
		6.8	-60.05	-1141.62	269.71	6.01	3.32	-284.71	-.85	-1.49		.38	.38	.078
		13.7	-61.45	-746.45	-42.45	1.68	6.25	-284.71	-.87	-.95		.36	.36	.062
		20.5	-62.85	-127.39	-22.00	-1.98	8.71	-284.71	-.89	-.16		.43	.43	.038
		27.4	-64.25	641.30	213.17	-3.26	9.72	-284.71	-.91	-.86		.47	.47	.060
901-1002	160- 1	0.0	9.43	50.59	-235.20	-5.21	-.72	-32.58	.31	2.15		.49	.49	.079
		9.5	9.36	-6.74	162.57	-2.17	-.34	-32.58	.31	1.64		.29	.29	.063
		18.9	9.26	-26.55	263.91	.69	-.02	-32.58	.31	2.38		.19	.19	.086
		28.4	9.18	-16.43	40.56	3.13	.22	-32.58	.30	.39		.35	.35	.023
		37.8	9.10	18.21	-389.79	4.17	.37	-32.58	.30	3.49		.42	.42	.121
901-1004	160- 1	0.0	-432.19	-273.58	-53.05	-2.31	3.27	-25.92	-14.32	-2.50		.38	.38	.741
		9.5	-432.26	-4.14	133.69	-1.00	1.46	-25.92	-14.32	-1.20		.23	.23	.690
		18.9	-432.33	64.31	176.60	.22	-.25	-25.92	-14.32	-1.68		.14	.14	.709
		28.4	-432.42	-54.46	88.97	1.28	-1.77	-25.92	-14.32	-.93		.26	.26	.680
		37.8	-432.52	-301.40	-91.39	1.79	-2.40	-25.92	-14.33	-2.82		.31	.31	.755
902- 903	189- 1	0.0	-40.78	-51.50	-274.49	-4.65	.13	18.22	-1.92	-4.04		.57	.57	.247
		6.6	-40.78	-37.53	15.27	-2.67	.22	18.22	-1.92	-.59		.38	.38	.137
		13.2	-40.78	-16.23	148.10	-.09	.32	18.22	-1.92	-2.16		.20	.20	.187
		19.8	-40.78	12.39	124.00	1.29	.41	18.22	-1.92	-1.80		.26	.26	.176
		26.4	-40.78	48.33	-57.04	3.28	.50	18.22	-1.92	-1.08		.44	.44	.153
902- 904	149- 1	0.0	-5.86	-15.33	77.51	1.61	-.10	10.53	-.49	-2.64		.45	.45	.105
		6.6	-5.87	-22.53	-19.57	.84	-.02	10.53	-.49	-1.00		.32	.32	.054
		13.2	-5.87	-19.28	-54.53	.04	.11	10.53	-.49	-1.93		.20	.20	.084
		19.8	-5.87	-5.57	-26.24	-.76	.24	10.53	-.49	-.90		.31	.31	.051
		26.4	-5.85	16.60	66.41	-1.58	.37	10.53	-.49	-2.31		.45	.45	.095

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905	149- 1	0.0	-7.19	-16.06	-107.41	-1.72	-.16	-9.84	-.60	-3.65		.45	.45	.142
		6.6	-7.20	-23.58	-1.94	-.94	-.03	-9.84	-.60	-.79		.32	.32	.053
		13.2	-7.20	-20.64	41.41	-.15	.10	-9.84	-.60	-1.55		.20	.20	.076
		19.8	-7.19	-7.25	21.53	.65	.24	-9.84	-.60	-.76		.28	.28	.052
		26.4	-7.18	16.61	-62.73	1.48	.37	-9.84	-.60	-2.17		.42	.42	.096
903- 905	169- 1	0.0	168.65	-75.13	-63.03	1.06	-.14	14.95	7.95	1.62		.21	.21	.328
		6.6	168.68	-82.68	-128.72	.09	-.05	14.95	7.95	2.21		.12	.12	.347
		13.2	168.71	-82.89	-97.20	-.89	.04	14.95	7.96	1.85		.19	.19	.335
		19.8	168.74	-75.78	11.52	-1.86	.14	14.95	7.96	1.11		.28	.28	.312
		26.4	168.77	-61.35	197.46	-2.83	.23	14.95	7.96	2.99		.38	.38	.372
903-1002	160- 1	0.0	-10.74	29.10	338.95	5.65	-.65	28.37	-.36	-3.05		.50	.50	.112
		9.5	-10.81	-23.09	-128.75	2.61	-.28	28.37	-.36	-1.17		.30	.30	.053
		18.9	-10.91	-35.77	-260.00	-.25	.04	28.37	-.36	-2.35		.14	.14	.091
		28.4	-10.99	-16.52	-86.56	-2.69	.29	28.37	-.36	-.79		.31	.31	.041
		37.3	-11.07	25.25	293.88	-3.73	.43	28.37	-.37	-2.64		.38	.38	.100
903-1003	JL9- 1	0.0	-64.75	392.50	-2822.18	-16.56	-5.10	508.65	-.92	-3.62		.81	.81	.148
		6.8	-66.15	106.67	-1658.19	-11.85	-1.90	508.65	-.94	-2.11		.66	.66	.101
		13.7	-67.58	72.89	-866.63	-7.51	1.02	508.65	-.96	-1.11		.54	.54	.070
		20.5	-68.97	282.60	-407.67	-3.86	3.48	508.65	-.98	-.62		.47	.47	.055
		27.4	-70.38	602.34	-163.45	-2.57	4.50	508.65	-1.00	-.79		.47	.47	.062
903-1005	160- 1	0.0	-433.60	-446.26	17.88	2.06	4.01	46.72	-14.53	-4.00		.51	.51	.812
		9.5	-438.67	-93.32	-140.67	.75	2.22	46.72	-14.53	-1.51		.36	.36	.712
		18.9	-438.73	58.63	-155.39	-.47	.48	46.72	-14.53	-1.49		.25	.25	.711
		28.4	-438.82	23.36	-39.56	-1.53	-1.04	46.72	-14.54	-.41		.33	.33	.669
		37.8	-438.93	-140.08	169.00	-2.03	-1.60	46.72	-14.54	-1.97		.38	.38	.731
904- 905	149- 1	0.0	12.96	23.83	-151.06	-3.23	-.27	-.60	1.09	5.11		.55	.55	.200
		6.6	12.96	7.74	39.18	-1.58	-.14	-.60	1.09	1.34		.28	.28	.039
		13.2	12.96	2.10	98.74	.07	-.01	-.60	1.09	3.30		.02	.02	.142
		19.8	12.96	6.91	27.61	1.72	.13	-.60	1.09	.95		.30	.30	.068
		26.4	12.96	22.18	-174.19	3.37	.26	-.60	1.09	5.87		.58	.58	.224
904- 906	129- 1	0.0	-143.51	-74.54	-91.87	-1.94	.84	25.14	-6.77	-1.71		.38	.38	.478
		6.6	-143.48	-4.49	23.04	-.97	.93	25.14	-6.77	-.34		.31	.31	.428
		13.2	-143.47	72.68	61.90	-.02	1.02	25.14	-6.77	-1.38		.28	.28	.470
		19.8	-143.46	157.57	25.85	.92	1.12	25.14	-6.77	-2.31		.32	.32	.518
		26.4	-143.46	249.58	-83.99	1.85	1.21	25.14	-6.77	-3.81		.39	.39	.579
905- 906	169- 1	0.0	154.50	-73.18	-39.47	1.18	.85	-23.29	7.29	1.20		.31	.31	.292
		6.6	154.53	-1.64	-94.23	.21	.95	-23.29	7.29	1.36		.26	.26	.297
		13.2	154.54	75.82	-72.94	-.74	1.04	-23.29	7.29	1.53		.29	.29	.302
		19.8	154.55	162.80	23.26	-1.68	1.13	-23.29	7.29	2.38		.36	.36	.329
		26.4	154.55	256.10	193.25	-2.61	1.22	-23.29	7.29	4.64		.44	.44	.401

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
905-1004	160- 1	0.0	430.92	442.35	238.18	3.22	-4.08	-28.98	14.27	4.50		.47	.47	.639
		9.5	430.87	86.35	-29.55	1.51	-2.20	-28.98	14.27	.82		.31	.31	.523
		18.9	430.78	-60.10	-106.01	-.13	-.40	-28.98	14.27	1.09		.16	.16	.531
		28.4	430.70	-13.15	-6.19	-1.56	1.16	-28.98	14.27	.13		.26	.26	.501
		37.8	430.62	170.05	217.11	-2.22	1.90	-28.98	14.26	2.47		.32	.32	.575
905-1005	160- 1	0.0	440.97	284.63	-272.55	-3.35	-3.38	-7.28	14.61	3.53		.35	.35	.620
		9.5	440.92	6.12	10.37	-1.64	-1.50	-7.28	14.61	.12		.18	.18	.512
		18.9	440.83	-58.84	102.03	.00	.30	-7.28	14.60	1.05		.05	.05	.542
		28.4	440.75	67.60	17.40	1.43	1.86	-7.28	14.60	.62		.19	.19	.528
		37.8	440.67	330.29	-190.70	2.08	2.60	-7.28	14.60	3.41		.25	.25	.616
906-1006	JL9- 1	0.0	117.18	464.95	2044.41	6.31	9.72	-1.01	1.66	2.67		.33	.33	.142
		6.8	115.79	941.18	1526.20	6.31	1.94	-1.01	1.64	2.28		.19	.19	.129
		13.7	114.41	794.64	1007.99	6.31	-5.43	-1.01	1.62	1.63		.24	.24	.108
		20.5	113.02	64.79	489.79	6.31	-12.16	-1.01	1.60	.63		.39	.39	.076
		27.4	111.62	-1134.56	-28.42	6.31	-16.59	-1.01	1.58	1.44		.50	.50	.101
910-1010	P3- 1	0.0	973.74	3659.74	5126.29	-10.41	-110.83	-684.66	3.29	2.27		.88	.88	.187
		6.8	967.84	-5401.25	5981.50	-10.41	-109.85	-684.66	3.27	2.91		.87	.87	.206
		13.7	961.94	-14381.46	6836.71	-10.41	-108.86	-684.66	3.25	5.74		.86	.86	.295
		20.5	956.04	-23280.88	7691.93	-10.41	-107.88	-684.66	3.23	8.84		.86	.86	.392
		27.4	950.15	-32099.50	8547.14	-10.41	-106.90	-684.66	3.21	11.98		.85	.85	.491
911-1011	P3- 1	0.0	1066.93	8456.92	-5465.14	10.81	-131.36	1370.54	3.61	3.63		1.14	1.14	.241
		6.8	1061.03	-2289.61	-6353.14	10.81	-130.37	1370.54	3.59	2.44		1.13	1.13	.202
		13.7	1055.13	-12955.34	-7241.14	10.81	-129.39	1370.54	3.57	5.35		1.13	1.13	.294
		20.5	1049.24	-23540.29	-8129.14	10.81	-128.41	1370.54	3.55	8.98		1.12	1.12	.408
		27.4	1043.34	-34044.45	-9017.14	10.81	-127.42	1370.54	3.53	12.70		1.11	1.11	.525
912-1012	P3- 1	0.0	-2632.07	-10500.65	-69.18	-.12	211.59	146.28	-8.90	-3.79		1.46	1.46	.433
		6.8	-2637.97	6914.65	-59.42	-.12	212.57	146.28	-8.92	-2.49		1.46	1.46	.398
		13.7	-2643.87	24410.69	-49.65	-.12	213.55	146.28	-8.94	-8.80		1.47	1.47	.590
		20.5	-2649.77	41987.47	-39.89	-.12	214.54	146.28	-8.96	-15.14		1.48	1.48	.791
		27.4	-2655.67	59645.00	-30.12	-.12	215.52	146.28	-8.98	-21.51		1.48	1.48	.993
1001-1002	200- 1	0.0	225.42	-142.97	386.33	1.08	.52	23.45	5.93	2.31		.13	.13	.279
		7.6	225.42	-98.99	281.44	1.23	.45	23.45	5.93	1.67		.13	.13	.259
		15.2	225.42	-61.90	162.78	1.38	.37	23.45	5.93	.97		.14	.14	.237
		22.7	225.42	-31.70	30.34	1.53	.29	23.45	5.93	.25		.15	.15	.214
		30.3	225.42	-8.39	-115.89	1.68	.22	23.45	5.93	.65		.15	.15	.227
1001-1004	200- 1	0.0	223.51	-489.34	544.57	1.80	1.73	103.75	5.88	4.10		.42	.42	.334
		7.6	223.52	-335.24	372.45	1.93	1.66	103.75	5.88	2.80		.42	.42	.293
		15.2	223.50	-188.02	191.68	2.05	1.58	103.75	5.88	1.50		.43	.43	.252
		22.7	223.51	-47.70	-1.47	2.21	1.51	103.75	5.88	.27		.43	.43	.213
		30.3	223.52	85.75	-209.76	2.37	1.45	103.75	5.88	1.27		.44	.44	.245

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /----------	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS ----/	COMB. UNITY CHECK
1002-1003	200- 1	0.0	239.51	7.30	-156.16	-1.61	-.26	-109.14	6.30	.87		.39	.39	.247
		7.6	239.51	-19.92	-17.10	-1.45	-.34	-109.14	6.30	.15		.38	.38	.224
		15.2	239.51	-54.02	108.19	-1.30	-.41	-109.14	6.30	.68		.38	.38	.241
		22.7	239.51	-95.01	219.70	-1.15	-.49	-109.14	6.30	1.34		.37	.37	.262
		30.3	239.51	-142.89	317.43	-1.00	-.56	-109.14	6.30	1.95		.37	.37	.281
1002-1004	140- 1	0.0	-6.38	-193.38	-25.79	-.09	1.16	31.50	-.40	-3.66		.44	.44	.133
		7.6	-6.35	-93.10	-14.89	-.15	1.05	31.50	-.40	-1.77		.43	.43	.075
		15.2	-6.31	-2.46	1.98	-.22	.94	31.50	-.39	-.06		.42	.42	.019
		22.7	-6.29	78.53	25.10	-.29	.84	31.50	-.39	-1.55		.41	.41	.066
		30.3	-6.30	149.67	55.91	-.39	.73	31.50	-.39	-3.00		.40	.40	.112
1002-1005	140- 1	0.0	-6.38	-236.59	1.87	-.02	1.29	-23.24	-.40	-4.44		.38	.38	.158
		7.6	-6.34	-123.94	.28	.05	1.19	-23.24	-.40	-2.33		.37	.37	.091
		15.2	-6.30	-20.93	-7.28	.12	1.08	-23.24	-.39	-.42		.35	.35	.030
		22.7	-6.28	72.43	-21.09	.19	.97	-23.24	-.39	-1.42		.34	.34	.062
		30.3	-6.29	156.15	-42.59	.28	.87	-23.24	-.39	-3.04		.33	.33	.113
1003-1005	200- 1	0.0	248.40	-515.38	-442.31	-1.45	2.40	-60.00	6.53	3.80		.32	.32	.346
		7.6	248.42	-300.61	-306.72	-1.53	2.32	-60.00	6.53	2.40		.31	.31	.303
		15.2	248.40	-92.74	-162.49	-1.65	2.25	-60.00	6.53	1.05		.31	.31	.260
		22.7	248.40	108.24	-5.87	-1.80	2.17	-60.00	6.53	.61		.32	.32	.246
		30.3	248.41	302.33	165.90	-1.97	2.10	-60.00	6.53	1.93		.32	.32	.288
1004-1005	140- 1	0.0	13.61	2.64	-46.70	-.46	.35	-8.67	.85	.88		.15	.15	.057
		7.6	13.61	24.93	-15.03	-.23	.25	-8.67	.85	.63		.12	.12	.049
		15.1	13.61	47.57	-4.02	-.01	.14	-8.67	.85	.90		.10	.10	.058
		22.7	13.61	55.58	-13.66	.22	.04	-8.67	.85	1.07		.11	.11	.064
		30.3	13.61	53.95	-43.97	.45	-.07	-8.67	.85	1.31		.14	.14	.071
1004-1006	200- 1	0.0	-392.73	-334.50	20.07	.22	2.75	27.52	-10.32	-1.88		.22	.22	.605
		7.6	-392.72	-86.24	-7.66	.39	2.67	27.52	-10.32	-.50		.22	.22	.546
		15.1	-392.71	151.14	-51.11	.58	2.60	27.52	-10.32	-.89		.22	.22	.562
		22.7	-392.73	383.63	-114.62	.83	2.52	27.52	-10.32	-2.24		.22	.22	.618
		30.3	-392.75	609.24	-202.57	1.10	2.44	27.52	-10.32	-3.59		.22	.22	.674
1005-1006	200- 1	0.0	-379.16	-141.63	36.03	.33	2.24	28.11	-9.97	-.82		.20	.20	.540
		7.6	-379.15	58.17	13.86	.16	2.16	28.11	-9.97	-.33		.19	.19	.520
		15.1	-379.14	251.26	7.41	-.03	2.09	28.11	-9.97	-1.41		.19	.19	.566
		22.7	-379.16	437.51	21.03	-.28	2.01	28.11	-9.97	-2.45		.19	.19	.610
		30.3	-379.17	616.65	59.98	-.55	1.94	28.11	-9.97	-3.47		.18	.18	.652

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-5.73	426.44	-80.62	-.65	-7.11	.01	-.35	4.79	-7.52	.08	1.10	.428
		3.6	-5.73	154.67	-52.35	-.65	-5.39	.01	-.35	1.74	-4.88	.08	.84	.240
		7.3	-5.73	-42.19	-24.09	-.65	-3.66	.01	-.35	-.47	-2.25	.08	.57	.108
		10.9	-5.73	-164.16	4.16	-.65	-1.94	.01	-.35	-1.84	.39	.08	.30	.087
		14.5	-5.73	-211.22	32.44	-.65	-.22	.01	-.35	-2.37	3.03	.08	.03	.195
101- 104	W18- 1	0.0	-6.75	431.92	-82.17	-.67	-7.34	-.01	-.42	4.85	-7.67	.08	1.14	.438
		3.6	-6.75	150.31	-52.90	-.67	-5.62	-.01	-.42	1.69	-4.94	.08	.87	.243
		7.2	-6.75	-56.46	-23.64	-.67	-3.89	-.01	-.42	-.63	-2.20	.08	.60	.114
		10.9	-6.75	-188.39	5.63	-.67	-2.17	-.01	-.42	-2.11	.53	.08	.34	.103
		14.5	-6.75	-245.49	34.90	-.67	-.45	-.01	-.42	-2.75	3.26	.08	.07	.218
101- 201	DKL- 1	0.0	-19.45	-374.00	642.50	9.68	4.86	-162.79	-.21	-1.16		.37	.37	.045
		3.8	-20.61	-155.50	206.77	9.68	4.86	-162.79	-.23	-.40		.37	.37	.021
		7.5	-21.77	63.00	-228.96	9.68	4.86	-162.79	-.24	-.37		.37	.37	.020
		11.3	-22.93	281.50	-664.69	9.68	4.86	-162.79	-.25	-1.13		.37	.37	.045
		15.0	-24.10	500.00	-1100.42	9.68	4.86	-162.79	-.26	-1.89		.37	.37	.069
102- 103	W18- 1	0.0	-6.42	-210.25	24.43	.34	.14	-.01	-.40	-2.36	2.28	.04	.02	.171
		3.6	-6.42	-166.55	9.70	.34	1.87	-.01	-.40	-1.87	.90	.04	.29	.107
		7.3	-6.42	-47.96	-5.03	.34	3.59	-.01	-.40	-.54	-.47	.04	.56	.050
		10.9	-6.42	145.54	-19.76	.34	5.31	-.01	-.40	1.63	-1.84	.04	.82	.133
		14.5	-6.42	413.94	-34.49	.34	7.03	-.01	-.40	4.65	-3.22	.04	1.09	.276
102- 104	W08- 1	0.0	-.10	.99	6.54	.07	-.17	.00	-.01	.05	1.17	.01	.09	.043
		3.6	-.10	-4.43	3.37	.07	-.08	.00	-.01	-.21	.60	.01	.04	.029
		7.2	-.10	-6.06	.21	.07	.01	.00	-.01	-.29	.04	.01	.00	.011
		10.9	-.10	-3.91	-2.96	.07	.09	.00	-.01	-.19	-.53	.01	.05	.025
		14.5	-.10	2.02	-6.12	.07	.18	.00	-.01	.10	-1.09	.01	.09	.042
102- 105	W08- 1	0.0	1.19	-.96	1.47	-.01	-.20	-.00	.17	-.05	.26	.00	.10	.017
		3.6	1.19	-7.61	2.07	-.01	-.11	-.00	.17	-.37	.37	.00	.06	.030
		7.2	1.19	-10.48	2.66	-.01	-.02	-.00	.17	-.50	.47	.00	.01	.038
		10.9	1.19	-9.57	3.25	-.01	.06	-.00	.17	-.46	.58	.00	.03	.041
		14.5	1.19	-4.88	3.84	-.01	.15	-.00	.17	-.23	.69	.00	.08	.037
103- 105	W18- 1	0.0	-8.08	340.62	23.76	.15	-6.61	.04	-.50	3.82	2.22	.02	1.03	.219
		3.6	-8.08	90.77	17.33	.15	-4.89	.04	-.50	1.02	1.62	.02	.76	.110
		7.2	-8.08	-84.44	10.90	.15	-3.17	.04	-.50	-.95	1.02	.02	.49	.086
		10.9	-8.08	-184.61	4.47	.15	-1.45	.04	-.50	-2.07	.42	.02	.23	.101
		14.5	-8.08	-210.35	-1.96	.15	.27	.04	-.50	-2.36	-.18	.02	.04	.102
103- 203	DKL- 1	0.0	-18.64	-295.11	-584.45	-10.59	6.58	58.25	-.20	-1.02		.32	.32	.040
		3.8	-19.80	.98	-108.10	-10.59	6.58	58.25	-.22	-.17		.32	.32	.013
		7.5	-20.97	297.06	368.25	-10.59	6.58	58.25	-.23	-.74		.32	.32	.032
		11.3	-22.13	593.14	844.60	-10.59	6.58	58.25	-.24	-1.61		.32	.32	.060
		15.0	-23.[illegible]	889.22	1320.95	-10.59	6.58	58.25	-.26	-2.49		.32	.32	.088

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
104- 105	W06- 1	0.0	-1.11	-2.06	.62	-.02	-.13	-.01	-.16	-.10	.11	.00	.07	.017
		3.6	-1.11	-6.02	1.53	-.02	-.05	-.01	-.16	-.29	.27	.01	.03	.029
		7.3	-1.11	-6.19	2.45	-.02	.04	-.01	-.16	-.30	.44	.01	.02	.035
		10.9	-1.11	-2.58	3.36	-.02	.13	-.01	-.16	-.12	.60	.01	.07	.035
		14.5	-1.11	4.62	4.27	-.02	.21	-.01	-.16	.23	.76	.01	.11	.044
104- 106	W16- 1	0.0	-6.20	-243.45	28.16	.41	-.14	.04	-.38	-2.73	2.63	.05	.02	.194
		3.6	-6.20	-212.01	10.15	.41	1.58	.04	-.38	-2.38	.95	.05	.25	.124
		7.3	-6.20	-105.65	-7.86	.41	3.31	.04	-.38	-1.19	-.73	.05	.51	.079
		10.9	-6.20	75.63	-25.87	.41	5.03	.04	-.38	.85	-2.41	.05	.78	.127
		14.5	-6.20	337.98	-43.88	.41	11.75	.04	-.38	3.79	-4.09	.05	1.82	.279
105- 106	W16- 1	0.0	-6.90	-215.20	6.15	.22	.64	.02	-.43	-2.41	.57	.03	.10	.114
		3.6	-6.90	-149.99	-3.56	.22	2.36	.02	-.43	-1.68	-.33	.03	.37	.043
		7.3	-6.90	-9.65	-13.26	.22	4.08	.02	-.43	-.11	-1.24	.03	.63	.065
		10.9	-6.90	205.21	-22.97	.22	5.80	.02	-.43	2.30	-2.14	.03	.90	.165
		14.5	-6.90	495.20	-32.68	.22	7.53	.02	-.43	5.56	-3.05	.03	1.17	.300
106- 206	DRL- 1	0.0	-25.10	721.60	78.65	5.50	-3.47	76.56	-.28	-1.14		.20	.20	.036
		3.8	-26.26	565.43	-168.94	5.50	-3.47	76.56	-.29	-.92		.20	.20	.040
		7.5	-27.42	409.26	-416.52	5.50	-3.47	76.56	-.30	-.91		.20	.20	.040
		11.3	-28.58	253.09	-664.11	5.50	-3.47	76.56	-.31	-1.11		.20	.20	.047
		15.0	-29.75	96.91	-911.70	5.50	-3.47	76.56	-.33	-1.43		.20	.20	.057
201- 202	W18- 1	0.0	-24.16	595.12	-85.41	-.70	-10.25	.01	-1.49	6.68	-7.97	.08	1.59	.551
		3.6	-24.16	203.22	-54.95	-.70	-7.77	.01	-1.49	2.28	-5.13	.08	1.21	.313
		7.3	-24.16	-80.68	-24.49	-.70	-5.26	.01	-1.49	-.91	-2.28	.08	.62	.171
		10.9	-24.16	-256.55	5.97	-.70	-2.80	.01	-1.49	-2.88	.56	.08	.43	.173
		14.5	-24.16	-324.41	36.43	-.70	-.32	.01	-1.49	-3.64	3.40	.08	.05	.296
201- 204	W18- 1	0.0	53.58	530.35	-86.65	-.73	-9.83	-.02	3.31	5.95	-8.08	.09	1.53	.585
		3.6	53.58	156.64	-54.90	-.73	-7.35	-.02	3.31	1.76	-5.12	.09	1.14	.349
		7.2	53.58	-108.77	-23.15	-.73	-4.87	-.02	3.31	-1.22	-2.16	.09	.76	.229
		10.9	53.58	-266.45	8.60	-.73	-2.39	-.02	3.31	-2.99	.80	.09	.37	.238
		14.5	53.58	-316.22	40.35	-.73	.10	-.02	3.31	-3.55	3.76	.09	.02	.358
201- 301	DRL- 1	0.0	-48.80	131.37	-166.99	-.44	-49.50	-445.52	-.54	-.33		1.44	1.44	.030
		3.8	-49.96	-2096.25	-147.23	-.44	-49.50	-445.52	-.55	-3.29		1.44	1.44	.124
		7.5	-51.12	-4323.77	-127.41	-.50	-49.40	-445.52	-.56	-6.77		1.43	1.43	.234
		11.3	-52.28	-6472.06	-61.87	-2.62	-45.76	-445.52	-.57	-10.13		1.35	1.35	.341
		15.0	-52.88	-8412.68	124.82	-5.81	-40.26	-445.52	-.58	-13.16		1.24	1.24	.438
201- 303	120- 1	0.0	4.64	72.99	-139.93	1.07	-1.33	-29.63	- .16	1.97		.31	.31	.066
		8.2	4.26	-23.34	-244.74	1.07	-.64	-29.63	.15	3.07		.27	.27	.102
		16.3	3.92	-51.49	-349.54	1.07	.06	-29.63	.14	4.41		.26	.26	.144
		24.5	3.55	-6.72	-394.72	-2.65	.97	-29.63	.13	4.93		.38	.38	.160
		32.6	3.30	75.34	645.35	-19.74	.76	-29.63	.12	8.11		1.58	1.58	.261

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203	W16- 1	0.0	-25.02	-326.33	28.00	.59	.06	.01	-1.54	-3.66	2.61	.05	.01	.272
		3.6	-25.02	-269.62	11.08	.59	2.54	.01	-1.54	-3.03	1.03	.05	.39	.197
		7.3	-25.02	-105.30	-5.83	.59	5.02	.01	-1.54	-1.18	-.54	.05	.78	.121
		10.9	-25.02	167.24	-22.74	.59	7.51	.01	-1.54	1.88	-2.12	.05	1.17	.198
		14.5	-25.02	547.79	-39.66	.59	9.99	.01	-1.54	6.15	-3.70	.05	1.55	.388
202- 204	W06- 1	0.0	-.22	-1.91	7.41	.08	-.17	.00	-.03	-.09	1.32	.02	.09	.051
		3.6	-.22	-7.42	4.01	.08	-.08	.00	-.03	-.36	.72	.02	.04	.038
		7.2	-.22	-9.15	.61	.08	.00	.00	-.03	-.44	.11	.02	.00	.020
		10.9	-.22	-7.09	-2.79	.08	.09	.00	-.03	-.34	-.50	.02	.05	.030
		14.5	-.22	-1.26	-6.18	.08	.18	.00	-.03	-.06	-1.10	.02	.09	.042
202- 205	W06- 1	0.0	1.41	1.91	1.03	-.03	-.21	-.00	.20	.09	.18	.01	.11	.017
		3.6	1.41	-5.14	2.37	-.03	-.12	-.00	.20	-.25	.42	.01	.06	.030
		7.2	1.41	-8.42	3.71	-.03	-.03	-.00	.20	-.40	.66	.01	.02	.043
		10.9	1.41	-7.91	5.05	-.03	.06	-.00	.20	-.38	.90	.01	.03	.050
		14.5	1.41	-3.62	6.39	-.03	.14	-.00	.20	-.17	1.14	.01	.08	.052
203- 205	W21- 1	0.0	-45.67	1095.29	46.60	.25	-22.65	.02	-2.12	7.27	2.74	.02	2.34	.412
		3.6	-45.67	242.14	35.62	.25	-16.59	.02	-2.12	1.61	2.09	.02	1.72	.210
		7.2	-45.67	-347.43	24.64	.25	-10.53	.02	-2.12	-2.31	1.45	.02	1.09	.210
		10.9	-45.67	-673.42	13.66	.25	-4.47	.02	-2.12	-4.47	.80	.02	.46	.256
		14.5	-45.67	-735.84	2.68	.25	1.60	.02	-2.12	-4.88	.16	.02	.17	.246
203- 303	URL- 1	0.0	-129.77	-369.56	-155.24	1.46	-61.36	389.45	-1.42	-.63		1.65	1.65	.071
		3.8	-130.94	-3130.63	-220.79	1.46	-61.36	389.45	-1.44	-4.91		1.65	1.65	.207
		7.5	-132.10	-5691.09	-286.35	1.46	-61.36	389.45	-1.45	-9.23		1.65	1.65	.345
		11.3	-133.26	-8652.75	-351.91	1.46	-61.36	389.45	-1.46	-13.55		1.65	1.65	.482
		15.0	-133.86	-11314.11	-359.93	-1.35	-56.50	389.45	-1.47	-17.71		1.55	1.55	.614
203- 306	120- 1	0.0	140.61	459.06	297.63	1.42	-4.77	42.25	4.97	6.83		.62	.62	.339
		8.2	140.25	26.24	159.18	1.42	-4.07	42.25	4.96	2.00		.57	.57	.236
		16.3	139.89	-330.43	10.73	1.42	-3.36	42.25	4.95	4.23		.52	.52	.306
		24.5	139.51	-497.50	-120.80	1.43	3.51	42.25	4.93	6.39		.53	.53	.374
		32.6	139.23	551.07	-261.36	1.44	17.85	42.25	4.92	7.61		1.53	1.53	.412
204- 205	W06- 1	0.0	-1.13	1.22	-1.45	-.05	-.16	-.00	-.16	.06	-.26	.01	.08	.021
		3.6	-1.13	-3.93	.82	-.05	-.07	-.00	-.16	-.19	.15	.01	.04	.021
		7.3	-1.13	-5.29	3.10	-.05	.01	-.00	-.16	-.25	.55	.01	.01	.037
		10.9	-1.13	-2.87	5.37	-.05	.10	-.00	-.16	-.14	.96	.01	.05	.048
		14.5	-1.13	3.34	7.65	-.05	.19	-.00	-.16	.16	1.37	.01	.10	.063
204- 206	W16- 1	0.0	54.06	-317.45	35.62	.52	.44	.05	3.34	-3.56	3.32	.06	.07	.345
		3.6	54.06	-244.47	12.99	.52	2.92	.05	3.34	-2.74	1.21	.06	.45	.245
		7.3	54.06	-63.44	-9.55	.52	5.40	.05	3.34	-.71	-.90	.06	.84	.170
		10.9	54.06	225.64	-32.20	.52	7.89	.05	3.34	2.53	-3.01	.06	1.23	.301
		14.5	54.06	628.91	-54.92	.52	15.37	.05	3.34	7.06	-5.12	.06	2.39	.516

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
205- 206	W21- 1	0.0	-44.32	-759.52	16.72	.53	1.92	.01	-2.06	-4.91	.98	.04	.20	.273
		3.6	-44.32	-523.69	-6.12	.53	7.99	.01	-2.06	-3.48	-.36	.04	.83	.206
		7.3	-44.32	-44.17	-28.96	.53	14.05	.01	-2.06	-.29	-1.70	.04	1.45	.152
		10.9	-44.32	699.25	-51.81	.53	20.12	.01	-2.06	4.64	-3.05	.04	2.08	.337
		14.5	-44.32	1706.56	-74.55	.53	26.19	.01	-2.06	11.33	-4.39	.04	2.71	.595
206- 301	120- 1	0.0	-112.67	36.21	-473.53	-5.37	-1.09	-25.56	-3.98	-5.93		.55	.55	.407
		8.2	-113.03	-34.74	52.87	-5.37	-.40	-25.56	-4.00	-.79		.54	.54	.241
		16.3	-113.39	-39.54	579.26	-5.37	.30	-25.56	-4.01	-7.24		.54	.54	.451
		24.5	-113.74	142.54	622.05	6.65	3.47	-25.56	-4.02	-7.96		.69	.69	.475
		32.6	-113.99	582.73	-879.65	24.54	5.16	-25.56	-4.03	-13.17		1.93	1.93	.636
206- 306	DRL- 1	0.0	-20.50	2032.56	-607.06	.65	-79.44	-202.72	-.23	-3.32		1.90	1.90	.113
		3.8	-21.67	-1542.16	-629.11	.65	-79.44	-202.72	-.24	-2.61		1.90	1.90	.091
		7.5	-22.83	-5116.68	-658.14	.65	-79.44	-202.72	-.25	-8.07		1.90	1.90	.264
		11.3	-23.99	-8674.35	-677.25	-.12	-78.12	-202.72	-.26	-13.61		1.87	1.87	.440
		15.0	-24.59	-12103.94	-622.47	-2.49	-74.01	-202.72	-.27	-18.96		1.78	1.78	.610
301- 303	123- 1	0.0	51.17	90.38	535.88	14.52	-1.99	-20.34	2.66	9.58		1.70	1.70	.396
		7.3	51.17	-29.72	-377.03	6.51	-.80	-20.34	2.66	6.67		.86	.86	.304
		14.5	51.17	-55.84	-602.41	-1.29	.17	-20.34	2.66	10.67		.31	.31	.430
		21.7	51.17	-6.90	-159.20	-8.86	.92	-20.34	2.66	2.81		1.11	1.11	.181
		29.0	51.17	98.18	933.88	-16.22	1.46	-20.34	2.65	16.55		1.87	1.87	.616
301- 306	123- 1	0.0	93.63	592.17	562.04	14.45	-5.39	-5.92	4.87	14.40		1.66	1.66	.625
		7.2	93.63	161.65	-347.95	6.52	-4.03	-5.92	4.87	6.92		.85	.85	.388
		14.5	93.63	-104.96	-562.76	-1.06	-2.54	-5.92	4.87	10.44		.34	.34	.500
		21.7	93.62	-256.63	-173.48	-8.29	-.93	-5.92	4.87	5.46		.92	.92	.342
		29.0	93.61	-262.33	848.81	-15.16	.82	-5.92	4.86	15.87		1.63	1.63	.665
301- 401	DRL- 1	0.0	3.79	-9195.56	1177.53	22.36	27.80	1421.95	.04	14.50		1.90	1.90	.460
		7.1	3.82	-6291.55	-429.46	15.02	40.46	1421.95	.04	9.86		2.06	2.06	.314
		14.2	3.85	-2225.65	-1562.73	6.65	54.59	1421.95	.04	4.08		2.32	2.32	.131
		21.4	3.87	3007.15	-1621.36	-.63	67.55	1421.95	.04	5.34		2.59	2.59	.171
		28.5	3.90	9245.73	-1299.28	-6.62	77.91	1421.95	.04	14.61		2.83	2.83	.464
303- 306	123- 1	0.0	-65.49	650.48	295.87	1.68	-4.84	-6.76	-4.44	-12.60		.59	.59	.570
		7.2	-65.49	250.03	149.60	1.68	-4.20	-6.76	-4.44	-5.20		.53	.53	.350
		14.5	-65.49	-67.40	3.33	1.68	-3.12	-6.76	-4.44	-1.19		.43	.43	.232
		21.7	-65.49	-278.58	-142.95	1.68	-1.69	-6.76	-4.44	-5.52		.31	.31	.350
		29.0	-65.49	-354.64	-289.22	1.68	-.02	-6.76	-4.44	-8.07		.23	.23	.436
303- 403	DRL- 1	0.0	-138.88	-11630.97	-852.86	6.66	52.66	-835.18	-1.52	-18.24		1.82	1.82	.635
		7.1	-138.85	-6644.03	-1312.76	1.96	64.25	-835.18	-1.52	-10.59		2.06	2.06	.393
		14.2	-138.82	-620.15	-1163.45	-5.59	77.38	-835.18	-1.52	-2.05		2.36	2.36	.123
		21.4	-138.79	6577.32	-362.32	-12.93	90.13	-835.18	-1.52	-10.30		2.65	2.65	.384
		28.5	-138.76	14747.78	1011.46	-16.99	100.61	-835.18	-1.52	-23.12		2.90	2.90	.790

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE FY KIPS	----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ---/	COMB. UNITY CHECK
306- 406	DRL- 1	0.0	22.74	-12119.45	-475.63	10.71	56.35	-510.71	.25	18.97		1.66	1.66	.609
		7.1	22.77	-6875.03	-1144.64	4.69	66.75	-510.71	.25	10.90		1.87	1.87	.354
		14.2	22.80	-645.32	-1243.03	-2.40	79.00	-510.71	.25	2.19		2.13	2.13	.078
		21.4	22.83	6614.18	-746.07	-9.10	90.61	-510.71	.25	10.41		2.40	2.40	.338
		28.5	22.85	14780.41	272.89	-14.46	99.96	-510.71	.25	23.12		2.62	2.62	.741
401- 501	JL4- 1	0.0	165.93	-2376.35	-20769.65	58.06	-16.16	141.97	1.30	13.15		.89	.89	.461
		1.1	165.46	-2596.31	-21562.47	60.70	-15.96	141.97	1.30	13.66		.92	.92	.477
		2.3	164.98	-2815.34	-22431.03	63.28	-15.75	141.97	1.29	14.20		.96	.96	.494
		3.4	164.50	-3029.46	-23314.55	65.81	-15.54	141.97	1.29	14.77		.99	.99	.512
		4.6	164.03	-3240.05	-24232.20	68.27	-15.32	141.97	1.29	15.36		1.02	1.02	.531
401- 510	P1- 1	0.0	-167.64	-3423.71	10747.55	17.14	-17.57	-373.25	-.85	-5.28		.31	.31	.197
		1.1	-168.38	-3662.90	10513.39	17.14	-17.45	-373.25	-.85	-5.21		.31	.31	.195
		2.3	-169.11	-3900.40	10279.24	17.14	-17.33	-373.25	-.85	-5.14		.31	.31	.193
		3.4	-169.84	-4136.25	10045.09	17.14	-17.20	-373.25	-.86	-5.08		.31	.31	.191
		4.6	-170.58	-4370.37	9810.93	17.14	-17.08	-373.25	-.86	-5.02		.31	.31	.189
403- 503	JL4- 1	0.0	1865.67	-2745.60	12445.19	-42.12	-128.27	710.89	13.19	8.01		2.11	2.11	.713
		1.1	1865.19	-4516.98	13031.53	-43.55	-130.55	710.89	13.19	8.66		2.15	2.15	.733
		2.3	1864.71	-6319.25	13637.35	-44.96	-132.76	710.89	13.19	9.44		2.18	2.18	.758
		3.4	1864.24	-8151.74	14262.27	-46.35	-134.97	710.89	13.18	10.32		2.22	2.22	.785
		4.6	1863.77	-10013.77	14905.93	-47.70	-137.10	710.89	13.18	11.28		2.25	2.25	.816
403- 511	P1- 1	0.0	-2101.43	-7627.35	1014.97	.82	-18.53	694.85	-9.77	-3.69		.33	.33	.457
		1.1	-2102.16	-8079.58	1003.77	.82	-18.41	694.85	-9.77	-3.81		.33	.33	.461
		2.3	-2102.89	-8530.14	992.56	.82	-18.28	694.85	-9.77	-3.92		.33	.33	.464
		3.4	-2103.63	-8579.01	981.35	.82	-18.16	694.85	-9.78	-4.04		.33	.33	.468
		4.6	-2104.36	-8626.20	970.15	.82	-18.04	694.85	-9.78	-4.15		.33	.33	.472
406- 506	JL4- 1	0.0	-1903.57	5901.75	2770.75	-13.48	108.24	-49.96	-13.32	-4.10		1.54	1.54	.593
		1.1	-1904.05	7397.78	2962.85	-14.58	110.37	-49.96	-13.32	-5.01		1.57	1.57	.622
		2.3	-1904.53	8922.61	3169.84	-15.66	112.45	-49.96	-13.32	-5.95		1.60	1.60	.652
		3.4	-1905.00	10475.58	3391.40	-16.72	114.48	-49.96	-13.33	-6.92		1.63	1.63	.683
		4.6	-1905.48	12056.06	3627.31	-17.74	116.47	-49.96	-13.33	-7.91		1.66	1.66	.714
406- 512	P1- 1	0.0	1943.20	11126.26	-1136.42	-3.29	-10.17	-195.83	8.78	5.23		.14	.14	.471
		1.1	1942.47	10990.20	-1091.55	-3.29	-10.05	-195.83	8.78	5.17		.14	.14	.469
		2.3	1941.73	10853.60	-1046.69	-3.29	-9.93	-195.83	8.77	5.10		.14	.14	.467
		3.4	1941.00	10719.09	-1001.82	-3.29	-9.80	-195.83	8.77	5.04		.14	.14	.465
		4.6	1940.27	10586.04	-956.95	-3.29	-9.68	-195.83	8.77	4.97		.14	.14	.463
501- 502	165- 1	0.0	19.14	-169.17	-821.52	-2.77	-.47	230.30	.63	7.51		1.22	1.22	.260
		3.8	19.14	-182.64	-644.00	-5.04	-.12	230.30	.63	5.99		1.37	1.37	.212
		7.6	19.14	-180.54	-363.20	-7.31	.21	230.30	.63	3.63		1.52	1.52	.137
		11.4	19.14	-165.30	20.88	-9.59	.54	230.30	.63	1.47		1.67	1.67	.069
		15.1	19.14	-131.33	508.25	-11.86	.86	230.30	.63	4.70		1.82	1.82	.171

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	165- 1	0.0	249.34	971.11	-817.64	-3.61	-6.17	136.90	8.26	11.37		1.09	1.09	.647
		3.8	249.34	696.56	-601.88	-5.08	-5.82	136.90	8.26	8.26		1.16	1.16	.549
		7.6	249.35	442.45	-283.13	-6.14	-5.45	136.90	8.26	4.70		1.26	1.26	.436
		11.4	249.36	203.22	138.26	-10.40	-5.07	136.90	8.26	2.20		1.38	1.38	.357
		15.2	249.38	-18.71	661.90	-12.64	-4.69	136.90	8.26	5.93		1.51	1.51	.475
501- 601	JL5- 1	0.0	350.06	-2652.43	-21865.52	-138.20	-9.03	-93.21	2.31	13.85		1.97	1.97	.519
		1.5	329.43	-2814.48	-19393.40	-134.99	-8.74	-93.21	2.30	12.31		1.92	1.92	.470
		3.0	328.79	-2971.30	-16958.85	-131.69	-8.45	-93.21	2.30	10.82		1.88	1.88	.422
		4.6	328.16	-3122.94	-14560.11	-128.67	-8.17	-93.21	2.30	9.37		1.84	1.84	.376
		6.1	327.52	-3269.44	-12255.52	-125.95	-7.89	-93.21	2.29	7.97		1.80	1.80	.332
501- 642	200- 1	0.0	-253.11	-581.49	1065.74	13.97	4.85	196.99	-6.65	-6.79		1.33	1.33	.447
		5.1	-253.09	-314.55	326.82	10.39	3.94	196.99	-6.65	-2.54		1.14	1.14	.320
		10.1	-253.08	-101.61	-200.65	7.01	3.07	196.99	-6.65	-1.26		.95	.95	.284
		15.2	-253.03	59.34	-528.09	3.80	2.23	196.99	-6.65	-2.97		.78	.78	.332
		20.2	-252.98	170.22	-666.06	.76	1.43	196.99	-6.65	-3.85		.64	.64	.356
502- 503	165- 1	0.0	-2.49	-198.33	158.64	3.83	5.81	-134.83	-.08	-2.27		.96	.96	.075
		3.8	-2.49	-18.13	36.21	1.56	4.12	-134.83	-.08	-.36		.90	.90	.015
		7.6	-2.49	175.92	17.06	-.72	4.42	-134.83	-.08	-1.58		.90	.90	.053
		11.4	-2.49	383.41	101.21	-2.99	4.71	-134.83	-.08	-3.55		.97	.97	.115
		15.1	-2.49	603.69	288.63	-5.26	4.99	-134.83	-.08	-5.99		1.08	1.08	.193
502- 504	125- 1	0.0	-6.91	134.24	135.82	1.14	-1.57	-100.75	-.36	-3.37		1.09	1.09	.120
		3.8	-6.91	67.50	84.02	1.14	-1.37	-100.75	-.36	-1.90		1.07	1.07	.074
		7.6	-6.91	9.05	32.22	1.14	-1.16	-100.75	-.36	-.59		1.06	1.06	.032
		11.4	-6.91	-37.65	-19.58	1.14	-.93	-100.75	-.36	-.75		1.04	1.04	.037
		15.1	-6.91	-74.34	-71.36	1.14	-.68	-100.75	-.36	-1.82		1.03	1.03	.071
502- 505	125- 1	0.0	26.87	195.34	213.80	4.34	-1.38	58.64	1.40	5.11		.99	.99	.210
		3.8	26.88	137.01	57.39	2.54	-1.19	58.64	1.40	2.62		.81	.81	.132
		7.5	26.89	87.54	-17.27	.74	-.99	58.64	1.40	1.57		.65	.65	.098
		11.4	26.90	47.37	-10.18	-1.06	-.78	58.64	1.40	.85		.65	.65	.076
		15.1	26.91	16.91	78.66	-2.86	-.56	58.64	1.40	1.42		.82	.82	.094
503- 505	165- 1	0.0	-201.90	1189.06	-172.06	-1.96	-7.85	-27.40	-6.69	-10.76		.66	.66	.573
		3.8	-201.90	858.56	-82.99	-1.96	-7.57	-27.40	-6.69	-7.54		.64	.64	.472
		7.6	-201.90	501.49	6.08	-1.96	-7.26	-27.40	-6.69	-4.49		.62	.62	.379
		11.4	-201.90	178.71	95.14	-1.96	-6.94	-27.40	-6.69	-1.81		.60	.60	.305
		15.2	-201.90	-128.92	184.21	-1.96	-6.59	-27.40	-6.69	-2.01		.58	.58	.311
503- 603	JL5- 1	0.0	1475.24	-8566.87	15450.28	94.42	57.16	391.07	10.52	9.94		1.67	1.67	.674
		1.5	1474.60	-7549.52	11723.67	92.66	54.40	391.07	10.52	8.69		1.63	1.63	.634
		3.0	1473.96	-6581.38	10048.77	90.95	51.72	391.07	10.31	7.48		1.59	1.59	.596
		4.6	1473.33	-5461.49	8404.60	89.29	49.13	391.07	10.31	6.30		1.55	1.55	.558
		6.1	1472.69	-4586.15	6790.24	87.68	46.62	391.07	10.30	5.15		1.51	1.51	.522

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	BENDING STRESS Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
503- 645	200- 1	0.0	582.04	1822.50	117.91	1.24	-14.93	11.11	15.30	10.22		.82	.82	.856
		5.1	582.08	1006.43	51.00	.97	-11.96	11.11	15.30	5.64		.66	.66	.711
		10.1	582.12	365.79	.07	.71	-9.15	11.11	15.30	2.05		.51	.51	.597
		15.2	582.15	-108.31	-35.67	.47	-6.47	11.11	15.30	.64		.37	.37	.553
		20.2	582.18	-422.60	-57.51	.25	-3.90	11.11	15.30	2.39		.24	.24	.608
504- 505	125- 1	0.0	-19.33	-138.60	76.69	3.18	-.10	32.55	-1.00	-2.79		.62	.62	.127
		3.5	-19.33	-137.47	-26.88	1.39	.15	32.55	-1.00	-2.47		.43	.43	.117
		7.5	-19.33	-124.91	-49.42	-.40	.40	32.55	-1.00	-2.37		.35	.35	.113
		11.4	-19.33	-101.35	9.69	-2.20	.64	32.55	-1.00	-1.80		.53	.53	.095
		15.1	-19.33	-67.21	150.90	-4.02	.86	32.55	-1.00	-2.91		.71	.71	.131
504- 506	165- 1	0.0	259.32	72.46	513.63	9.21	-5.26	-114.19	8.59	4.64		1.21	1.21	.446
		3.8	259.34	-157.64	145.93	6.98	-4.87	-114.19	8.59	1.92		1.07	1.07	.360
		7.6	259.35	-369.59	-121.12	4.78	-4.46	-114.19	8.59	3.48		.94	.94	.409
		11.4	259.35	-562.95	-288.72	2.60	-4.05	-114.19	8.59	5.66		.83	.83	.476
		15.1	259.34	-737.29	-358.02	.45	-3.62	-114.19	8.59	7.34		.75	.75	.531
505- 506	165- 1	0.0	-172.82	-7.68	413.77	5.29	-6.29	29.18	-5.72	-3.71		.68	.68	.322
		3.8	-172.82	-285.56	173.28	5.29	-5.93	29.18	-5.72	-2.99		.66	.66	.301
		7.6	-172.82	-546.37	-67.21	5.29	-5.55	29.18	-5.72	-4.93		.64	.64	.355
		11.4	-172.82	-789.47	-307.70	5.29	-5.15	29.18	-5.72	-7.59		.62	.62	.439
		15.1	-172.82	-1013.97	-548.19	5.29	-4.73	29.18	-5.72	-10.32		.60	.60	.526
506- 606	JL5- 1	0.0	-1694.70	9303.75	2998.08	17.42	-57.58	-259.36	-11.86	-6.14		.92	.92	.607
		1.5	-1695.34	8276.96	2692.41	16.09	-55.00	-259.36	-11.86	-5.47		.88	.88	.586
		3.0	-1695.97	7296.37	2410.61	14.81	-52.51	-259.36	-11.86	-4.83		.84	.84	.566
		4.6	-1696.60	6360.45	2151.82	13.57	-50.10	-259.36	-11.87	-4.22		.81	.81	.547
		6.1	-1697.23	5467.74	1915.21	12.38	-47.78	-259.36	-11.87	-3.64		.77	.77	.526
506- 644	200- 1	0.0	-390.43	-714.72	-1503.27	-16.15	3.91	-165.33	-10.26	-9.31		1.34	1.34	.652
		5.1	-390.39	-491.99	-631.80	-12.60	3.43	-165.33	-10.26	-4.48		1.15	1.15	.510
		10.1	-390.35	-296.02	29.60	-9.20	2.96	-165.33	-10.26	-1.68		.97	.97	.432
		15.2	-390.30	-132.14	489.16	-5.95	2.51	-165.33	-10.26	-2.84		.80	.80	.464
		20.2	-390.26	7.01	755.32	-2.83	2.08	-165.33	-10.26	-4.23		.65	.65	.503
510- 710	P1- 1	0.0	-190.42	-4431.21	9785.92	17.51	10.64	-1048.81	-.86	-5.02		.43	.43	.191
		6.3	-194.51	-3596.05	8454.37	17.51	11.32	-1048.81	-.88	-4.30		.43	.43	.168
		12.7	-198.60	-2709.10	7122.82	17.51	12.01	-1048.81	-.90	-3.56		.44	.44	.146
		19.0	-202.69	-1770.35	5791.28	17.51	12.69	-1048.81	-.92	-2.83		.44	.44	.123
		25.3	-206.77	-779.81	4459.73	17.51	13.37	-1048.81	-.93	-2.12		.44	.44	.101
511- 711	P1- 1	0.0	-2164.07	-8819.22	1026.21	-1.70	45.29	599.53	-9.78	-4.15		.55	.55	.473
		6.3	-2168.16	-5349.40	1155.52	-1.70	45.96	599.53	-9.80	-2.56		.56	.56	.430
		12.7	-2172.24	-1827.79	1284.82	-1.70	46.66	599.53	-9.82	-1.05		.56	.56	.389
		19.0	-2176.33	1745.65	1414.13	-1.70	47.34	599.53	-9.83	-1.05		.57	.57	.389
		25.3	-2180.41	5370.83	1543.44	-1.70	48.02	599.53	-9.85	-2.61		.57	.57	.433

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	1940.07	10586.04	-956.45	-3.29	-49.35	-304.99	8.77	4.97		.52	.52	.463
		6.3	1935.98	6659.86	-706.64	-3.29	-48.66	-304.99	8.75	3.23		.51	.51	.407
		12.7	1931.89	3165.51	-456.84	-3.29	-47.98	-304.99	8.73	1.51		.51	.51	.352
		19.0	1927.80	-436.99	-207.03	-3.29	-47.30	-304.99	8.71	.23		.50	.50	.310
		25.3	1923.71	-4007.06	42.77	-3.29	-46.62	-304.99	8.69	1.87		.49	.49	.362
601- 641	JL6- 1	0.0	318.30	-3296.17	-12296.47	-102.04	3.89	-942.83	2.23	8.00		1.72	1.72	.331
		1.5	317.67	-3224.45	-10460.30	-99.20	4.19	-942.83	2.22	6.88		1.69	1.69	.295
		3.0	317.03	-3145.46	-8675.30	-96.43	4.47	-942.83	2.22	5.80		1.65	1.65	.261
		4.6	316.39	-3061.39	-6940.07	-93.74	4.75	-942.83	2.21	4.77		1.61	1.61	.228
		6.1	315.76	-2972.25	-5253.20	-91.14	5.02	-942.83	2.21	3.79		1.57	1.57	.197
605- 645	JL6- 1	0.0	1457.78	-4693.97	7155.57	69.03	48.29	666.79	10.20	5.38		1.40	1.40	.525
		1.5	1457.14	-3834.69	5895.61	68.25	45.87	666.79	10.19	4.42		1.36	1.36	.495
		3.0	1456.51	-3019.47	4604.07	66.72	43.51	666.79	10.19	3.49		1.32	1.32	.465
		4.6	1455.87	-2246.47	3460.20	65.22	41.22	666.79	10.18	2.59		1.29	1.29	.437
		6.1	1455.23	-1514.65	2283.26	63.77	39.00	666.79	10.18	1.72		1.26	1.26	.409
606- 646	JL6- 1	0.0	-1697.38	5467.74	1918.05	12.38	-42.27	-253.15	-11.87	-3.64		.70	.70	.529
		1.5	-1698.01	4716.94	1700.72	11.22	-40.00	-253.15	-11.88	-3.15		.66	.66	.513
		3.0	-1698.65	4007.01	1505.22	10.10	-37.79	-253.15	-11.88	-2.69		.63	.63	.499
		4.6	-1699.28	3336.89	1331.98	9.00	-35.64	-253.15	-11.89	-2.26		.59	.59	.485
		6.1	-1699.91	2705.52	1177.46	7.94	-33.55	-253.15	-11.89	-1.85		.56	.56	.473
641- 651	JL6- 1	0.0	315.76	-2972.25	-5253.20	-91.14	5.02	-942.83	2.21	3.79		1.57	1.57	.197
		1.5	315.12	-2878.33	-3624.10	-87.41	5.48	-942.83	2.20	2.91		1.52	1.52	.169
		3.0	314.48	-2772.08	-2062.01	-83.79	5.94	-942.83	2.20	2.17		1.47	1.47	.145
		4.6	313.85	-2659.64	-565.00	-80.28	6.38	-942.83	2.20	1.71		1.42	1.42	.130
		6.1	313.22	-2539.24	864.56	-76.85	6.81	-942.83	2.19	1.69		1.38	1.38	.130
642- 703	200- 1	0.0	-252.98	170.18	-666.04	.73	1.38	197.09	-6.65	-3.85		.63	.63	.358
		5.5	-252.95	213.58	-559.84	-3.91	-.04	197.09	-6.65	-3.35		.76	.76	.345
		11.0	-252.92	166.67	-157.61	-8.27	-1.37	197.09	-6.65	-1.28		.99	.99	.287
		16.4	-252.89	33.09	523.51	-12.39	-2.66	197.09	-6.65	-2.94		1.22	1.22	.333
		21.9	-252.86	-181.98	1467.34	-16.26	-3.88	197.09	-6.65	-8.27		1.43	1.43	.493
643- 653	JL5- 1	0.0	1455.23	-1514.65	2283.26	63.77	39.00	666.79	10.18	1.72		1.26	1.26	.409
		1.5	1454.60	-833.63	1139.64	61.57	35.65	666.79	10.18	.89		1.20	1.20	.382
		3.0	1453.96	-212.98	35.68	59.42	32.38	666.79	10.17	.14		1.16	1.16	.358
		4.6	1453.33	348.90	-1029.54	57.32	29.21	666.79	10.17	.68		1.11	1.11	.376
		6.1	1452.69	853.61	-2056.96	55.28	26.13	666.79	10.16	1.40		1.06	1.06	.398
644- 701	200- 1	0.0	-390.26	6.94	755.37	-2.76	2.20	-165.09	-10.26	-4.23		.65	.65	.507
		5.5	-390.22	120.00	774.19	2.14	1.24	-165.09	-10.26	-4.38		.59	.59	.512
		11.0	-390.18	171.22	478.85	6.80	.32	-165.09	-10.26	-2.85		.82	.82	.468
		16.5	-390.16	165.41	-115.69	11.24	-.55	-165.09	-10.26	-1.12		1.05	1.05	.419
		21.9	-390.14	99.40	-994.47	15.42	-1.38	-165.09	-10.26	-5.59		1.28	1.28	.546

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS -----/	COMB. UNITY CHECK
645- 706	200- 1	0.0	562.16	-422.61	-57.41	.43	-3.83	11.24	15.30	2.39		.23	.23	.608
		5.5	562.21	-550.73	-74.91	.10	-.10	11.24	15.30	3.11		.04	.04	.631
		11.0	562.24	-440.17	-70.29	-.23	3.42	11.24	15.30	2.49		.21	.21	.612
		16.4	562.25	-106.91	-45.35	-.52	6.67	11.24	15.31	.65		.38	.38	.553
		21.9	562.27	431.99	-2.79	-.77	9.67	11.24	15.31	2.42		.54	.54	.609
646- 656	JL6- 1	0.0	-1699.85	2705.52	1177.05	7.94	-36.31	-255.06	-11.69	-1.85		.60	.60	.473
		1.5	-1700.49	2068.72	1044.82	6.56	-33.50	-255.06	-11.90	-1.46		.56	.56	.460
		3.0	-1701.12	1482.52	937.35	5.22	-30.76	-255.06	-11.90	-1.10		.52	.52	.449
		4.6	-1701.76	945.51	853.89	3.93	-28.11	-255.06	-11.91	-.80		.48	.48	.440
		6.1	-1702.39	456.28	793.67	2.68	-25.53	-255.06	-11.91	-.58		.44	.44	.434
651- 701	JL6- 1	0.0	319.05	-2657.22	-41.53	-32.27	20.79	-1858.63	2.23	1.66		1.12	1.12	.130
		1.8	318.32	-2189.41	605.69	-28.37	21.26	-1858.63	2.23	1.43		1.08	1.08	.125
		3.5	317.58	-1731.16	1167.18	-24.59	21.77	-1858.63	2.22	1.31		1.04	1.04	.119
		5.3	316.85	-1262.61	1651.38	-20.92	22.25	-1858.63	2.22	1.31		1.01	1.01	.118
		7.1	316.11	-783.65	2058.77	-17.36	22.75	-1858.63	2.21	1.38		.98	.98	.121
653- 705	JL6- 1	0.0	1517.14	741.73	-1722.85	25.63	15.35	900.66	10.61	1.18		.68	.68	.407
		1.8	1516.39	1030.73	-2201.03	21.30	11.85	900.66	10.61	1.53		.62	.62	.418
		3.5	1515.65	1246.25	-2630.42	19.05	8.43	900.66	10.60	1.83		.57	.57	.427
		5.3	1514.91	1390.46	-3012.42	16.65	5.13	900.66	10.60	2.08		.53	.53	.435
		7.1	1514.16	1465.50	-3348.42	14.72	1.95	900.66	10.59	2.30		.49	.49	.441
655- 706	JL6- 1	0.0	-1702.90	456.25	793.79	2.68	-24.74	-254.69	-11.91	-.58		.43	.43	.434
		1.8	-1703.14	-39.30	751.88	1.26	-21.85	-254.69	-11.91	-.47		.39	.39	.432
		3.5	-1703.88	-473.64	739.62	-.11	-19.01	-254.69	-11.92	-.55		.35	.35	.434
		5.3	-1704.63	-849.39	756.08	-1.43	-16.28	-254.69	-11.93	-.71		.31	.31	.439
		7.1	-1705.37	-1167.90	800.30	-2.72	-13.65	-254.69	-11.93	-.89		.27	.27	.444
701- 702	137- 1	0.0	-66.11	67.04	-75.76	2.72	-.87	20.39	-4.53	-2.31		.62	.62	.294
		4.7	-66.11	21.26	-165.84	.48	-.76	20.39	-4.53	-3.82		.36	.36	.333
		9.4	-66.11	-19.10	-129.87	-1.75	-.67	20.39	-4.53	-3.00		.49	.49	.310
		14.1	-66.11	-54.72	31.47	-3.98	-.59	20.39	-4.53	-1.44		.78	.78	.270
		18.8	-66.11	-86.24	317.53	-6.19	-.53	20.39	-4.53	-7.51		1.08	1.08	.438
701- 704	137- 1	0.0	28.57	135.48	-79.63	2.71	-1.24	-1.95	1.96	3.59		.43	.43	.182
		4.7	28.58	68.59	-169.36	.48	-1.15	-1.95	1.96	4.17		.19	.19	.200
		9.4	28.59	7.77	-133.66	-1.75	-1.03	-1.95	1.96	3.06		.30	.30	.165
		14.1	28.61	-46.97	27.47	-3.98	-.92	-1.95	1.96	1.24		.58	.58	.108
		18.8	28.62	-95.64	314.04	-6.20	-.81	-1.95	1.96	7.49		.88	.88	.305
701- 801	JL7- 1	0.0	-63.32	54.69	2004.24	-21.00	-2.62	-457.75	-1.18	-2.55		.89	.89	.124
		6.6	-64.69	-103.00	3190.08	-9.19	-1.39	-457.75	-1.20	-4.06		.55	.55	.172
		13.2	-66.03	-167.38	3489.05	1.46	-.26	-457.75	-1.22	-4.44		.33	.33	.185
		19.8	-67.38	-145.35	2983.64	11.17	.80	-457.75	-1.24	-3.80		.61	.61	.165
		26.4	-68.75	-43.58	1744.71	20.03	1.76	-457.75	-1.26	-2.22		.86	.86	.116

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
701- 806	200- 1	0.0	279.58	587.68	868.09	13.69	-6.94	1.27	7.55	5.87		.81	.81	.441
		12.2	279.65	-158.64	-539.98	5.69	-3.31	1.27	7.55	3.15		.35	.35	.356
		24.4	279.69	-399.31	-643.76	-1.40	-.05	1.27	7.55	5.22		.08	.08	.421
		36.6	279.75	-192.15	-170.35	-7.66	2.81	1.27	7.55	1.44		.43	.43	.301
		48.8	279.85	407.57	1365.58	-13.21	5.32	1.27	7.55	7.98		.75	.75	.509
702- 703	137- 1	0.0	-76.84	-57.76	175.88	4.59	.97	-23.87	-5.27	-4.51		.92	.92	.394
		4.7	-76.84	-33.48	-20.60	2.39	1.03	-23.87	-5.27	-.90		.63	.63	.291
		9.4	-76.84	25.57	-93.68	.21	1.07	-23.87	-5.27	-2.22		.42	.42	.326
		14.1	-76.84	86.73	-44.02	-1.97	1.10	-23.87	-5.27	-2.22		.58	.58	.333
		18.8	-76.84	149.34	127.72	-4.13	1.12	-23.87	-5.27	-4.46		.86	.86	.401
702- 704	127- 1	0.0	.14	23.07	-8.24	-.05	-.79	-5.76	.01	.82		.23	.23	.026
		4.7	.14	-12.19	-5.20	-.05	-.40	-5.76	.01	.44		.17	.17	.014
		9.4	.14	-28.30	-2.16	-.05	-.11	-5.76	.01	.95		.12	.12	.030
		14.1	.14	-24.61	.87	-.05	.25	-5.76	.01	.82		.14	.14	.026
		18.8	.14	-.45	3.91	-.05	.61	-5.76	.01	.13		.20	.20	.005
702- 705	127- 1	0.0	14.68	23.57	149.69	4.05	-.71	1.98	1.23	5.07		.72	.72	.203
		4.7	14.69	-6.97	-23.00	2.09	-.36	1.98	1.23	.80		.39	.39	.068
		9.4	14.70	-19.02	-85.85	.14	-.05	1.98	1.23	2.94		.06	.06	.136
		14.1	14.70	-12.60	-38.67	-1.82	.26	1.98	1.23	1.36		.34	.34	.086
		18.8	14.71	12.31	118.56	-3.77	.61	1.98	1.24	3.99		.67	.67	.169
703- 705	137- 1	0.0	14.84	179.42	107.86	1.05	-1.32	16.55	1.02	4.78		.42	.42	.187
		4.7	14.84	105.64	49.01	1.05	-1.29	16.55	1.02	2.66		.42	.42	.120
		9.4	14.84	34.94	-9.86	1.05	-1.25	16.55	1.02	.83		.41	.41	.062
		14.1	14.84	-32.53	-68.73	1.05	-1.17	16.55	1.02	1.74		.40	.40	.090
		18.8	14.84	-95.82	-127.60	1.05	-1.08	16.55	1.02	3.64		.39	.39	.151
703- 801	200- 1	0.0	249.53	812.01	-1647.88	-17.29	-6.72	-3.40	6.56	10.28		.98	.98	.554
		12.2	249.56	45.60	251.74	-6.77	-3.76	-3.40	6.56	1.45		.51	.51	.274
		24.4	249.62	-304.55	957.68	-.99	-1.04	-3.40	6.56	5.62		.08	.08	.406
		36.6	249.66	-269.56	577.76	6.06	1.48	-3.40	6.56	3.57		.34	.34	.341
		48.8	249.73	119.16	-790.09	12.52	3.80	-3.40	6.56	4.47		.70	.70	.370
703- 805	JL7- 1	0.0	1215.26	2317.49	-2426.17	6.87	11.52	-286.09	17.21	4.27		.56	.56	.734
		6.6	1214.93	2797.15	-2691.72	-.05	.76	-286.09	17.19	4.94		.21	.21	.754
		13.2	1213.56	2467.67	-2453.67	-6.38	-8.97	-286.09	17.17	4.41		.49	.49	.737
		19.8	1212.17	1400.05	-1697.85	-12.15	-17.92	-286.09	17.15	2.80		.80	.80	.685
		26.4	1210.76	-347.61	-524.86	-17.45	-26.17	-286.09	17.13	.80		1.07	1.07	.622
704- 705	127- 1	0.0	-14.86	1.39	155.51	4.01	-.67	3.93	-1.25	-5.20		.75	.75	.215
		4.7	-14.86	-25.62	-16.93	2.12	-.30	3.93	-1.25	-1.03		.42	.42	.084
		9.4	-14.86	-52.48	-82.48	.21	.06	3.93	-1.25	-2.96		.10	.10	.145
		14.1	-14.86	-19.35	-39.80	-1.73	.41	3.93	-1.25	-1.48		.36	.36	.098
		18.8	-14.86	12.92	112.42	-3.69	.74	3.93	-1.25	-3.78		.70	.70	.171

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	137- 1	0.0	39.54	-94.92	162.44	4.51	.47	-6.09	2.71	4.29		.69	.69	.230
		4.7	39.55	-65.25	-28.66	2.29	.58	-6.09	2.71	1.63		.39	.39	.146
		9.4	39.57	-28.88	-95.92	.10	.71	-6.09	2.71	2.29		.17	.17	.167
		14.1	39.58	14.89	-40.81	-2.06	.85	-6.09	2.72	.99		.37	.37	.126
		18.8	39.60	66.71	135.21	-4.19	1.00	-6.09	2.72	3.44		.66	.66	.203
705- 706	137- 1	0.0	36.09	-91.01	103.38	.89	.27	-6.25	2.48	3.14		.20	.20	.186
		4.7	36.09	-72.69	53.50	.89	.38	-6.25	2.48	2.06		.20	.20	.151
		9.4	36.09	-47.65	3.62	.89	.51	-6.25	2.48	1.09		.21	.21	.121
		14.1	36.09	-15.22	-46.26	.89	.65	-6.25	2.48	1.11		.22	.22	.121
		18.8	36.09	25.26	-96.14	.89	.79	-6.25	2.48	2.27		.23	.23	.156
705- 805	200- 1	0.0	-500.12	-1000.22	289.17	1.58	9.06	-22.01	-13.15	-5.87		.54	.54	.825
		12.2	-500.05	28.98	91.31	1.13	5.12	-22.01	-13.14	-.54		.34	.34	.617
		24.4	-500.00	496.24	-40.87	.68	1.30	-22.01	-13.14	-2.79		.14	.14	.704
		36.6	-499.89	421.66	-109.46	.26	-2.28	-22.01	-13.14	-2.44		.18	.18	.690
		48.3	-499.79	-160.20	-119.29	-.12	-5.64	-22.01	-13.14	-1.12		.36	.36	.639
705- 806	JL7- 1	0.0	-1081.45	-1635.58	498.68	13.00	-11.91	-25.88	-15.30	-2.17		.52	.52	.618
		6.6	-1082.80	-2250.60	-355.95	8.70	-3.30	-25.88	-15.32	-2.87		.28	.28	.638
		13.2	-1084.17	-2183.53	-889.73	4.87	4.35	-25.88	-15.34	-3.00		.20	.20	.642
		19.8	-1085.52	-1565.42	-1136.69	1.44	11.21	-25.88	-15.36	-2.46		.34	.34	.628
		25.4	-1086.88	-429.17	-1126.56	-1.64	17.37	-25.88	-15.38	-1.53		.51	.51	.604
710- 810	P2- 1	0.0	-206.84	-771.91	4461.64	17.48	-1.09	-1158.52	-.82	-1.89		.38	.38	.090
		6.6	-211.67	-626.09	3079.68	17.48	-.28	-1158.52	-.84	-1.33		.38	.38	.073
		13.2	-216.50	-616.64	1697.71	17.48	.52	-1158.52	-.86	-.79		.38	.38	.057
		19.8	-221.33	-743.54	315.74	17.48	1.33	-1158.52	-.88	-.34		.36	.38	.043
		26.4	-226.16	-686.81	-1066.23	17.48	2.13	-1158.52	-.90	-.51		.38	.38	.049
711- 811	P2- 1	0.0	-2180.62	5367.76	1554.67	-1.13	3.43	-568.26	-8.68	-2.33		.15	.15	.383
		6.6	-2185.45	5670.81	1647.96	-1.13	4.23	-568.26	-8.70	-2.46		.15	.15	.387
		13.2	-2190.28	6037.51	1737.25	-1.13	5.04	-568.26	-8.71	-2.62		.16	.16	.392
		19.8	-2195.11	6467.65	1826.54	-1.13	5.84	-568.26	-8.73	-2.80		.17	.17	.398
		26.4	-2199.94	6961.82	1915.82	-1.13	6.65	-568.26	-8.75	-3.01		.17	.17	.405
712- 812	P2- 1	0.0	1923.88	-4007.66	42.90	-3.29	-8.37	-355.02	7.65	1.67		.15	.15	.319
		6.6	1919.05	-4637.55	302.68	-3.29	-7.56	-355.02	7.64	1.94		.14	.14	.327
		13.2	1914.22	-5203.64	562.47	-3.29	-6.76	-355.02	7.62	2.18		.13	.13	.334
		19.8	1909.39	-5706.55	822.26	-3.29	-5.96	-355.02	7.60	2.40		.13	.13	.340
		26.4	1904.56	-6145.62	1082.04	-3.29	-5.15	-355.02	7.58	2.60		.12	.12	.346
801- 802	168- 1	0.0	-22.02	47.14	-106.53	2.06	-.65	23.41	-1.51	-2.66		.56	.56	.171
		5.6	-22.02	5.73	-184.80	.26	-.58	23.41	-1.51	-4.22		.35	.35	.220
		11.3	-22.02	-30.75	-141.45	-1.54	-.50	23.41	-1.51	-3.30		.49	.49	.191
		16.9	-22.02	-62.20	23.51	-3.34	-.43	23.41	-1.51	-1.52		.73	.73	.135
		22.5	-22.02	-88.88	310.07	-5.14	-.36	23.41	-1.51	-7.36		.97	.97	.319

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804	160- 1	0.0	56.25	151.64	-106.76	2.04	-1.03	10.08	3.86	4.24		.43	.43	.268
		5.6	56.24	84.60	-183.15	.22	-.96	10.08	3.86	4.60		.25	.25	.280
		11.3	56.23	22.30	-136.95	-1.59	-.89	10.08	3.86	3.17		.36	.36	.234
		16.9	56.23	-35.05	31.83	-3.41	-.81	10.08	3.86	1.08		.60	.60	.168
		22.5	56.22	-87.47	323.18	-5.22	-.74	10.08	3.86	7.64		.84	.84	.376
801- 901	JLG- 1	0.0	154.29	-192.64	1765.06	-4.08	.95	-133.43	2.18	2.26		.20	.20	.147
		6.8	152.87	-77.20	1749.25	4.35	1.66	-133.43	2.16	2.23		.22	.22	.146
		13.7	151.49	109.64	1069.04	12.11	2.69	-133.43	2.14	1.37		.44	.44	.118
		20.5	150.10	351.68	-224.21	19.29	3.43	-133.43	2.12	.54		.64	.64	.091
		27.4	148.66	570.00	-2067.50	26.02	4.06	-133.43	2.10	2.79		.83	.83	.161
801- 903	200- 1	0.0	-225.10	-482.22	619.21	10.60	5.35	27.08	-5.92	-4.39		.66	.66	.431
		14.0	-225.00	-35.06	-612.07	4.17	1.97	27.08	-5.91	-3.43		.32	.32	.399
		28.0	-224.88	179.99	-807.88	-1.76	.60	27.08	-5.91	-4.63		.17	.17	.439
		41.9	-224.74	166.97	-45.14	-7.26	-.76	27.08	-5.91	-.97		.46	.46	.318
		55.9	-224.66	-76.55	1605.45	-12.34	-2.15	27.08	-5.91	-8.99		.73	.73	.582
802- 805	160- 1	0.0	-31.48	-92.21	150.41	3.55	.76	-33.07	-2.16	-4.03		.88	.88	.251
		5.6	-31.48	-36.75	-28.58	1.75	.82	-33.07	-2.16	-1.10		.64	.64	.158
		11.3	-31.48	16.69	-86.93	-.02	.88	-33.07	-2.16	-2.03		.50	.50	.188
		16.9	-31.48	79.18	-25.56	-1.79	.91	-33.07	-2.16	-1.90		.65	.65	.184
		22.5	-31.48	141.76	154.57	-3.54	.94	-33.07	-2.16	-4.79		.88	.88	.275
802- 804	140- 1	0.0	-.51	26.36	-2.45	-.04	-.58	-11.51	-.04	-.89		.29	.29	.030
		5.6	-.51	-5.02	.25	-.04	-.35	-11.51	-.04	-.17		.25	.25	.007
		11.3	-.51	-20.24	2.96	-.04	-.10	-11.51	-.04	-.68		.21	.21	.023
		16.9	-.51	-16.35	5.66	-.04	.16	-11.51	-.04	-.64		.22	.22	.022
		22.5	-.51	1.60	8.36	-.04	.43	-11.51	-.04	-.28		.27	.27	.011
802- 805	140- 1	0.0	12.55	27.43	162.10	3.42	-.54	8.28	1.05	5.50		.72	.72	.211
		5.6	12.53	-.45	-14.64	1.61	-.30	8.28	1.05	.49		.45	.45	.052
		11.3	12.51	-13.17	-82.42	.20	-.06	8.28	1.05	2.79		.17	.17	.125
		16.9	12.49	-6.28	-41.26	-1.42	.20	8.28	1.05	1.41		.38	.38	.081
		22.5	12.47	14.68	108.86	-3.03	.48	8.28	1.05	3.67		.65	.65	.153
803- 805	160- 1	0.0	-47.08	219.77	65.40	.56	-1.24	7.15	-3.23	-5.23		.27	.27	.351
		5.6	-47.08	136.97	27.75	.56	-1.21	7.15	-3.23	-3.19		.26	.26	.286
		11.3	-47.08	57.22	-9.90	.56	-1.15	7.15	-3.23	-1.33		.26	.26	.227
		16.9	-47.08	-17.92	-47.54	.56	-1.08	7.15	-3.23	-1.16		.25	.25	.216
		22.5	-47.08	-88.11	-85.19	.56	-1.00	7.15	-3.23	-2.80		.24	.24	.269
803- 903	JLG- 1	0.0	701.40	946.19	-1269.89	-1.65	10.36	-156.02	-9.92	2.01		.40	.40	.409
		6.8	699.96	1466.93	-923.82	-6.74	2.42	-156.02	9.90	2.21		.30	.30	.415
		13.7	698.52	1361.50	-173.71	-11.48	-4.96	-156.02	9.88	1.74		.45	.45	.399
		20.5	697.10	665.27	953.33	-15.92	-11.92	-156.02	9.86	1.48		.66	.66	.390
		27.4	695.68	-588.54	2434.62	-20.12	-18.56	-156.02	9.84	3.18		.87	.87	.443

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
503- 906	200- 1	0.0	468.91	1324.16	146.18	.81	-9.29	-20.63	12.33	7.46		.55	.55	.665
		14.0	468.95	109.76	37.52	.49	-5.23	-20.63	12.33	.65		.33	.33	.450
		28.0	468.98	-446.14	-20.59	.21	-1.45	-20.63	12.33	2.50		.13	.13	.508
		41.9	469.04	-395.53	-35.64	-.03	1.99	-20.63	12.33	2.22		.16	.16	.500
		55.9	469.10	195.38	-12.10	-.26	4.96	-20.63	12.33	1.10		.32	.32	.464
804- 805	14B- 1	0.0	-11.95	-7.24	145.69	5.20	-.52	3.28	-1.00	-4.81		.60	.60	.195
		5.6	-11.95	-32.62	-21.22	1.68	-.24	3.28	-1.00	-1.31		.34	.34	.084
		11.3	-11.95	-39.39	-82.46	.13	.04	3.28	-1.00	-3.06		.08	.08	.140
		16.9	-11.95	-26.94	-39.14	-1.42	.35	3.28	-1.00	-1.59		.30	.30	.093
		22.5	-11.95	4.53	109.76	-2.99	.61	3.28	-1.00	-3.67		.57	.57	.159
804- 806	16B- 1	0.0	64.67	-75.93	187.86	3.91	.21	-2.24	4.44	4.62		.56	.56	.301
		5.6	64.67	-59.03	-15.27	2.11	.29	-2.24	4.44	1.39		.32	.32	.193
		11.3	64.66	-37.19	-97.99	.34	.36	-2.24	4.44	2.39		.09	.09	.230
		16.9	64.66	-10.41	-62.40	-1.59	.43	-2.24	4.43	1.44		.23	.23	.200
		22.5	64.65	21.32	69.37	-3.10	.51	-2.24	4.43	2.10		.46	.46	.221
805- 806	16B- 1	0.0	-29.66	-73.02	133.42	.97	.08	-0.94	-2.03	-3.47		.21	.21	.226
		5.6	-29.66	-65.01	68.23	.97	.16	-0.94	-2.03	-2.15		.21	.21	.185
		11.3	-29.66	-52.06	3.04	.97	.23	-0.94	-2.03	-1.19		.22	.22	.154
		16.9	-29.66	-34.17	-62.15	.97	.30	-0.94	-2.03	-1.62		.22	.22	.168
		22.5	-29.66	-11.34	-127.34	.97	.37	-0.94	-2.03	-2.92		.22	.22	.209
905- 901	200- 1	0.0	-265.77	-495.06	-1302.55	-12.54	2.70	-45.57	-6.99	-7.80		.80	.80	.606
		14.0	-265.70	-119.15	275.73	-6.34	1.78	-45.57	-6.98	-1.68		.47	.47	.396
		28.0	-265.64	102.45	843.91	-.48	.86	-45.57	-6.98	-4.76		.18	.18	.501
		41.9	-265.59	168.56	450.36	5.13	-.08	-45.57	-6.98	-2.69		.40	.40	.430
		55.9	-265.56	69.68	-860.09	10.44	-1.12	-45.57	-6.98	-4.83		.68	.68	.504
906- 906	JL6- 1	0.0	-808.62	-514.47	-624.06	5.37	-10.98	-742.60	-11.41	-1.03		.82	.82	.446
		6.8	-808.04	-1176.00	-945.76	2.51	-5.23	-742.60	-11.43	-1.92		.64	.64	.471
		13.7	-809.44	-1390.36	-1045.26	-.05	-.07	-742.60	-11.45	-2.21		.47	.47	.479
		20.5	-810.82	-1201.23	-945.38	-2.55	4.60	-742.60	-11.47	-1.94		.62	.62	.473
		27.4	-812.22	-647.38	-665.64	-4.43	8.81	-742.60	-11.49	-1.16		.75	.75	.453
910- 910	P2- 1	0.0	-226.14	-604.67	-1069.76	17.54	6.83	-483.59	-.90	-.51		.25	.25	.049
		6.8	-231.15	-9.31	-2509.76	17.54	7.67	-483.59	-.92	-1.05		.25	.25	.067
		13.7	-236.17	654.93	-3949.76	17.54	8.51	-483.59	-.94	-1.67		.26	.26	.087
		20.5	-241.18	1387.05	-5389.75	17.54	9.34	-483.59	-.96	-2.32		.26	.26	.109
		27.4	-246.20	2189.44	-6829.75	17.54	10.18	-483.59	-.98	-2.99		.26	.26	.131
811- 911	P2- 1	0.0	-2200.20	6964.22	1907.41	-1.42	-54.29	-685.86	-8.75	-3.01		.58	.58	.406
		6.8	-2205.21	2540.22	2023.99	-1.42	-53.46	-685.86	-8.77	-1.35		.57	.57	.351
		13.7	-2210.23	-1615.09	2140.57	-1.42	-52.62	-685.86	-8.79	-1.17		.56	.56	.356
		20.5	-2215.24	-6101.73	2257.15	-1.42	-51.78	-685.86	-8.81	-2.71		.56	.56	.400
		27.4	-2220.26	-10319.68	2373.74	-1.42	-50.95	-685.86	-8.83	-4.41		.55	.55	.447

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
812- 912	P2- 1	0.0	1904.79	-6145.62	1089.30	-3.29	40.99	-1820.91	7.58	2.60		.71	.71	.346
		6.8	1899.77	-2745.69	1359.06	-3.29	41.82	-1820.91	7.56	1.28		.71	.71	.304
		13.7	1894.76	722.87	1628.86	-3.29	42.66	-1820.91	7.54	.74		.72	.72	.286
		20.5	1889.74	4260.07	1898.65	-3.29	43.49	-1820.91	7.52	1.94		.73	.73	.323
		27.4	1884.73	7655.91	2168.43	-3.29	44.33	-1820.91	7.50	3.40		.73	.73	.369
901- 902	189- 1	0.0	106.44	16.17	-170.21	1.89	-.46	23.34	5.02	2.48		.35	.35	.253
		6.6	106.44	-14.42	-252.10	.18	-.37	23.34	5.02	3.65		.21	.21	.290
		13.2	106.44	-39.69	-197.98	-1.54	-.27	23.34	5.02	2.92		.32	.32	.267
		19.8	106.44	-57.64	-7.85	-3.26	-.16	23.34	5.02	.84		.48	.48	.201
		26.4	106.44	-68.26	318.29	-4.97	-.09	23.34	5.02	4.71		.64	.64	.324
901- 904	189- 1	0.0	61.30	144.13	-170.56	1.77	-.82	8.34	2.89	3.23		.24	.24	.203
		6.6	61.29	85.07	-241.93	.03	-.72	8.34	2.89	3.70		.13	.13	.218
		13.2	61.28	29.34	-176.22	-1.69	-.63	8.34	2.89	2.59		.23	.23	.182
		19.8	61.29	-17.06	25.45	-3.40	-.54	8.34	2.89	.44		.38	.38	.115
		26.4	61.30	-56.14	361.90	-5.09	-.45	8.34	2.89	5.30		.54	.54	.248
901-1001	JLY- 1	0.0	5.51	1020.22	-2018.77	-16.66	-4.11	71.30	.08	2.88		.54	.54	.094
		6.9	4.08	705.95	-897.51	-10.51	-3.56	71.30	.06	1.45		.36	.36	.046
		13.7	2.65	432.50	-281.77	-4.58	-3.11	71.30	.04	.66		.20	.20	.022
		20.5	1.25	193.77	-127.17	.59	-2.72	71.30	.02	.29		.12	.12	.010
		27.4	-.15	-16.53	-249.13	3.05	-2.42	71.30	-.00	-.38		.16	.16	.012
901-1002	160- 1	0.0	-237.05	-235.93	53.79	4.07	2.35	73.13	-7.85	-2.17		.64	.64	.423
		9.5	-237.15	-54.70	-260.59	1.50	1.24	73.13	-7.86	-2.35		.46	.46	.429
		18.9	-237.25	48.66	-294.54	-.87	.25	73.13	-7.86	-2.67		.39	.39	.440
		28.4	-237.38	24.42	-72.69	-2.96	-.64	73.13	-7.86	-.69		.53	.53	.375
		37.8	-237.50	-76.35	330.76	-3.92	-1.03	73.13	-7.87	-3.04		.60	.60	.452
901-1004	160- 1	0.0	247.51	184.25	119.44	4.39	-2.60	62.52	8.20	1.97		.62	.62	.348
		9.5	247.45	-26.73	-230.50	1.80	-1.13	62.52	8.20	2.08		.42	.42	.351
		18.9	247.35	-74.89	-298.07	-.57	.25	62.52	8.19	2.75		.32	.32	.372
		28.4	247.24	21.81	-114.37	-2.57	1.39	62.52	8.19	1.04		.47	.47	.318
		37.8	247.16	215.41	237.99	-3.40	1.89	62.52	8.19	2.87		.54	.54	.376
902- 903	189- 1	0.0	97.42	-72.90	123.17	3.01	.61	-33.76	4.59	2.07		.53	.53	.225
		6.6	97.42	-20.56	-47.34	1.30	.71	-33.76	4.59	.75		.38	.38	.184
		13.2	97.42	39.10	-83.15	-.39	.80	-33.76	4.59	1.33		.33	.33	.202
		19.8	97.42	106.09	14.43	-2.07	.89	-33.76	4.59	1.55		.46	.46	.209
		26.4	97.42	180.41	244.10	-3.73	.98	-33.76	4.59	4.39		.61	.61	.299
902- 904	149- 1	0.0	-.83	27.61	12.84	.04	-.39	-10.63	-.07	-1.02		.24	.24	.035
		6.6	-.83	2.34	10.03	.04	-.25	-10.63	-.07	-.34		.22	.22	.014
		13.2	-.83	-12.47	7.22	.04	-.12	-10.63	-.07	-.48		.20	.20	.018
		19.8	-.83	-16.62	4.40	.04	.01	-10.63	-.07	-.58		.18	.18	.022
		26.4	-.83	-10.71	1.59	.04	.14	-10.63	-.07	-.36		.20	.20	.015

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
902- 905	149- 1	0.0	11.80	28.75	182.28	3.09	-.32	5.93	.99	6.17		.62	.62	.230
		6.6	11.80	8.85	-5.09	1.65	-.19	5.93	.99	.34		.38	.38	.045
		13.2	11.79	-.59	-79.44	.23	-.05	5.93	.99	2.66		.14	.14	.119
		19.8	11.78	.42	-42.54	-1.16	.08	5.93	.99	1.42		.29	.29	.079
		26.4	11.76	11.89	103.81	-2.53	.21	5.93	.99	3.49		.53	.53	.145
903- 905	159- 1	0.0	-164.12	263.72	-8.07	.09	-1.24	9.21	-7.74	-3.82		.18	.18	.661
		6.6	-164.12	169.49	-14.87	.09	-1.14	9.21	-7.74	-2.46		.17	.17	.596
		13.2	-164.12	82.57	-21.66	.09	-1.05	9.21	-7.74	-1.24		.17	.17	.536
		19.8	-164.12	2.98	-28.45	.09	-.96	9.21	-7.74	-.41		.16	.16	.490
		26.4	-164.12	-69.28	-35.25	.09	-.87	9.21	-7.74	-1.12		.15	.15	.528
903-1002	160- 1	0.0	259.45	153.46	-457.95	-5.48	-1.89	16.71	7.93	4.32		.46	.46	.413
		9.5	259.30	1.37	6.64	-2.74	-.81	16.71	7.93	.06		.26	.26	.278
		18.9	259.16	-33.66	169.01	-.16	.18	16.71	7.92	1.54		.09	.09	.325
		28.4	259.06	37.98	51.81	2.13	1.05	16.71	7.92	.58		.23	.23	.294
		37.8	258.98	188.25	-264.26	3.18	1.51	16.71	7.92	2.91		.31	.31	.367
903-1003	JL9- 1	0.0	104.77	92.47	2889.64	16.30	8.85	-659.14	1.48	3.68		.94	.94	.168
		6.8	103.34	556.20	1716.24	12.51	2.48	-659.14	1.46	2.29		.77	.77	.123
		13.7	101.91	507.44	863.49	8.50	-3.61	-659.14	1.44	1.27		.68	.68	.090
		20.5	100.50	-22.37	311.43	5.04	-9.13	-659.14	1.42	.40		.71	.71	.062
		27.4	99.08	-934.93	.71	2.77	-12.69	-659.14	1.40	1.19		.79	.79	.086
903-1005	160- 1	0.0	476.74	531.23	23.17	.44	-5.01	-14.23	15.79	4.76		.40	.40	.700
		9.5	476.64	95.34	-11.34	.18	-2.69	-14.23	15.79	.86		.24	.24	.577
		18.9	476.56	-82.08	-19.44	-.03	-.47	-14.23	15.79	.76		.09	.09	.573
		28.4	476.48	-19.98	-4.24	-.23	1.48	-14.23	15.78	.18		.16	.16	.555
		37.8	476.40	211.07	28.87	-.33	2.37	-14.23	15.78	1.91		.22	.22	.610
904- 905	149- 1	0.0	-10.84	-11.74	145.94	2.78	-.21	5.88	-.91	-4.90		.57	.57	.196
		6.6	-10.84	-23.33	-21.92	1.45	-.08	5.88	-.91	-1.07		.34	.34	.075
		13.2	-10.84	-24.46	-83.93	.11	.05	5.88	-.91	-2.92		.12	.12	.134
		19.8	-10.84	-15.14	-38.79	-1.25	.18	5.88	-.91	-1.39		.31	.31	.085
		26.4	-10.84	4.03	114.82	-2.63	.32	5.88	-.91	-3.84		.54	.54	.163
904- 906	169- 1	0.0	68.75	-51.51	217.55	3.66	-.09	-19.35	3.24	3.23		.49	.49	.215
		6.6	68.76	-55.11	-5.68	1.98	.00	-19.35	3.24	.80		.33	.33	.138
		13.2	68.77	-51.58	-97.06	.33	.09	-19.35	3.24	1.59		.17	.17	.163
		19.8	68.77	-40.33	-58.39	-1.30	.19	-19.35	3.24	1.03		.26	.26	.145
		26.4	68.77	-21.97	108.56	-2.91	.28	-19.35	3.24	1.60		.42	.42	.164
905- 906	169- 1	0.0	-148.35	-55.43	183.38	.99	-.34	-5.10	-7.00	-2.77		.14	.14	.518
		6.6	-148.35	-78.64	105.51	.99	-.25	-5.10	-7.00	-1.90		.13	.13	.499
		13.2	-148.35	-94.54	27.25	.99	-.15	-5.10	-7.00	-1.42		.13	.13	.494
		19.8	-148.35	-103.12	-50.82	.99	-.06	-5.10	-7.00	-1.66		.13	.13	.501
		26.4	-148.35	-104.37	-128.89	.99	.03	-5.10	-7.00	-2.40		.13	.13	.518

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
905-1004	160- 1	0.0	-247.32	-208.09	-324.45	-4.74	1.66	25.34	-8.19	-3.45		.45	.45	.481
		9.5	-247.40	-60.24	63.67	-2.13	.95	25.34	-8.20	-.76		.27	.27	.394
		18.9	-247.48	6.78	165.05	.31	.25	25.34	-8.20	-1.48		.14	.14	.417
		28.4	-247.55	.75	4.15	2.43	-.32	25.34	-8.20	-.04		.28	.28	.369
		37.8	-247.65	-49.72	-337.20	3.33	-.49	25.34	-8.20	-3.05		.34	.34	.469
906-1005	160- 1	0.0	-478.53	-304.51	58.41	.47	3.44	17.82	-15.85	-2.78		.31	.31	.627
		9.5	-478.60	-21.44	20.45	.20	1.57	17.82	-15.85	-.27		.18	.18	.722
		18.9	-478.68	54.72	10.97	-.03	-.21	17.82	-15.86	-.50		.09	.09	.732
		28.4	-478.77	-64.92	25.28	-.21	-1.84	17.82	-15.86	-.62		.20	.20	.738
		37.8	-478.87	-322.70	53.89	-.27	-2.51	17.82	-15.86	-2.93		.25	.25	.834
906-1006	JL9- 1	0.0	-93.50	-1135.23	-817.60	.64	-.13	-616.74	-1.32	-1.78		.41	.41	.105
		6.8	-94.92	-987.65	-791.11	-1.26	3.67	-616.74	-1.34	-1.61		.50	.50	.100
		13.7	-96.34	-544.01	-614.94	-2.98	7.05	-616.74	-1.36	-1.04		.61	.61	.083
		20.5	-97.76	151.28	-310.33	-4.33	9.69	-616.74	-1.38	-.44		.69	.69	.064
		27.4	-99.18	976.65	56.95	-4.35	10.00	-616.74	-1.40	-1.25		.70	.70	.091
910-1010	PS- 1	0.0	-246.28	2189.55	-6830.72	17.48	-9.42	-256.30	-.83	-2.59		.18	.18	.113
		6.8	-252.18	1456.50	-8266.15	17.48	-8.43	-256.30	-.85	-3.03		.18	.18	.127
		13.7	-258.08	604.25	-9701.58	17.48	-7.45	-256.30	-.87	-3.51		.17	.17	.143
		20.5	-263.98	232.78	-11137.01	17.48	-6.47	-256.30	-.89	-4.02		.17	.17	.160
		27.4	-269.88	-257.90	-12572.45	17.48	-5.48	-256.30	-.91	-4.53		.17	.17	.177
911-1011	PS- 1	0.0	-2219.24	-10319.04	2379.72	-2.09	185.51	-2084.18	-7.51	-3.82		1.63	1.63	.382
		6.8	-2225.14	4954.76	2551.38	-2.09	186.49	-2084.18	-7.53	-2.01		1.64	1.64	.335
		13.7	-2231.04	20309.35	2723.04	-2.09	187.47	-2084.18	-7.55	-7.39		1.64	1.64	.497
		20.5	-2236.94	35744.73	2894.69	-2.09	188.46	-2084.18	-7.57	-12.93		1.65	1.65	.673
		27.4	-2242.84	51280.69	3066.35	-2.09	189.44	-2084.18	-7.59	-18.52		1.66	1.66	.850
912-1012	PS- 1	0.0	1880.40	7665.91	2175.20	-3.29	-178.63	-2169.86	6.36	2.94		1.60	1.60	.315
		6.8	1874.50	-6762.13	2444.98	-3.29	-177.64	-2169.86	6.34	2.59		1.59	1.59	.303
		13.7	1868.60	-21309.43	2714.77	-3.29	-176.66	-2169.86	6.32	7.75		1.59	1.59	.465
		20.5	1862.71	-35775.98	2984.55	-3.29	-175.68	-2169.86	6.30	12.95		1.58	1.58	.629
		27.4	1856.81	-50161.80	3254.34	-3.29	-174.69	-2169.86	6.28	18.13		1.57	1.57	.792
1001-1002	200- 1	0.0	2.54	-169.34	-934.37	-2.79	1.04	-69.05	.07	5.31		.35	.35	.170
		7.6	2.54	-78.05	-670.64	-3.01	.97	-69.05	.07	3.78		.36	.36	.122
		15.2	2.54	6.34	-385.98	-3.25	.89	-69.05	.07	2.16		.37	.37	.071
		22.7	2.54	83.84	-77.22	-3.54	.81	-69.05	.07	.64		.38	.38	.023
		30.3	2.54	154.45	258.82	-3.85	.74	-69.05	.07	1.69		.40	.40	.056
1001-1004	200- 1	0.0	-1.63	160.74	-968.96	-3.14	-.41	-130.24	-.04	-5.50		.53	.53	.176
		7.6	-1.64	119.72	-676.05	-3.31	-.49	-130.24	-.04	-3.84		.54	.54	.124
		15.2	-1.65	71.81	-367.75	-3.47	-.56	-130.24	-.04	-2.10		.55	.55	.069
		22.7	-1.65	17.01	-44.57	-3.63	-.64	-130.24	-.04	-.27		.56	.56	.011
		30.3	-1.63	-44.68	291.01	-3.75	-.72	-130.24	-.04	-1.65		.56	.56	.054

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE FY KIPS	----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	--KSI-- Z	Y SHEAR STRESS	Z SHEAR STRESS -----/	COMB. UNITY CHECK
1002-1003	200- 1	0.0	-338.72	-96.93	55.23	-.05	1.45	66.98	-8.90	-.62		.26	.26	.476
		7.6	-338.72	29.60	74.5	-.38	1.35	66.98	-8.90	-.45		.26	.26	.466
		15.2	-338.72	149.23	125.92	-.76	1.28	66.98	-8.90	-1.09		.27	.27	.491
		22.7	-338.72	261.98	211.91	-1.13	1.20	66.98	-8.90	-1.89		.27	.27	.520
		30.3	-338.72	367.83	332.32	-1.51	1.13	66.98	-8.90	-2.77		.29	.29	.550
1002-1004	140- 1	0.0	.28	191.25	101.62	.55	-.95	-30.25	.02	4.07		.42	.42	.129
		7.6	.28	100.35	52.15	.55	-1.05	-30.25	.02	2.12		.43	.43	.068
		15.2	.28	-.19	2.46	.55	-1.16	-30.25	.02	.05		.44	.44	.002
		22.7	.28	-110.38	-47.19	.55	-1.26	-30.25	.02	2.25		.46	.46	.072
		30.3	.28	-230.22	-96.80	.55	-1.37	-30.25	.02	4.69		.47	.47	.149
1002-1005	140- 1	0.0	12.17	151.19	84.25	.59	-.46	10.46	.76	3.25		.19	.19	.124
		7.6	12.16	104.41	38.10	.42	-.57	10.46	.76	2.09		.19	.19	.092
		15.2	12.15	47.99	7.32	.25	-.67	10.46	.76	.91		.19	.19	.055
		22.7	12.14	-16.08	-8.08	.08	-.78	10.46	.76	.37		.20	.20	.038
		30.3	12.13	-93.79	-8.12	-.08	-.89	10.46	.76	1.77		.21	.21	.082
1003-1005	200- 1	0.0	-340.36	655.45	-125.61	-.34	-2.71	20.74	-8.95	-3.79		.20	.20	.604
		7.6	-340.36	415.30	-95.04	-.34	-2.79	20.74	-8.95	-2.38		.21	.21	.546
		15.2	-340.36	156.28	-64.46	-.34	-2.86	20.74	-8.95	-.96		.21	.21	.491
		22.7	-340.36	-105.64	-33.91	-.34	-2.94	20.74	-8.95	-.62		.21	.21	.479
		30.3	-340.36	-376.44	-3.35	-.34	-3.02	20.74	-8.95	-2.11		.22	.22	.539
1004-1005	140- 1	0.0	-11.60	-119.71	66.71	.41	.65	23.50	-.72	-2.57		.32	.32	.113
		7.6	-11.60	-65.13	33.16	.32	.55	23.50	-.72	-1.57		.30	.30	.075
		15.1	-11.60	-20.19	8.21	.22	.44	23.50	-.72	-.41		.28	.28	.044
		22.7	-11.60	15.11	-6.41	.10	.34	23.50	-.72	-.31		.26	.26	.041
		30.3	-11.60	40.78	-8.97	-.04	.23	23.50	-.72	-.76		.25	.25	.056
1004-1006	200- 1	0.0	352.19	170.65	-4.71	-.65	-1.37	-11.15	9.26	.96		.11	.11	.353
		7.6	352.20	42.77	56.49	-.72	-1.45	-11.15	9.26	.40		.12	.12	.335
		15.1	352.17	-92.20	124.42	-.77	-1.52	-11.15	9.26	.87		.12	.12	.350
		22.7	352.16	-234.06	195.34	-.78	-1.60	-11.15	9.26	1.71		.12	.12	.376
		30.3	352.16	-362.80	266.49	-.78	-1.67	-11.15	9.26	2.61		.13	.13	.405
1005-1006	200- 1	0.0	341.92	122.72	34.97	-.11	-1.93	29.41	8.99	.71		.18	.18	.335
		7.6	341.92	-56.00	44.54	-.11	-2.00	29.41	8.99	.40		.19	.19	.326
		15.1	341.92	-241.61	54.12	-.11	-2.08	29.41	8.99	1.39		.19	.19	.357
		22.7	341.92	-434.10	63.69	-.11	-2.16	29.41	8.99	2.46		.20	.20	.391
		30.3	341.92	-635.48	73.26	-.11	-2.23	29.41	8.99	3.57		.20	.20	.426

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-5.42	432.65	-62.96	-.53	-7.15	.01	-.33	4.86	-5.67	.06	1.11	.372
		3.6	-5.42	159.39	-39.82	-.53	-5.43	.01	-.33	1.79	-3.71	.06	.84	.200
		7.3	-5.42	-39.18	-16.65	-.53	-3.70	.01	-.33	-.44	-1.55	.06	.58	.082
		10.9	-5.42	-162.64	6.51	-.53	-1.98	.01	-.33	-1.83	.61	.06	.31	.093
		14.5	-5.42	-211.61	29.67	-.53	-.26	.01	-.33	-2.37	2.77	.06	.04	.186
101- 104	W18- 1	0.0	-7.76	439.65	-57.70	-.44	-7.42	-.01	-.48	4.94	-5.38	.05	1.15	.364
		3.6	-7.76	154.72	-38.71	-.44	-5.70	-.01	-.48	1.74	-3.61	.05	.88	.201
		7.2	-7.76	-55.58	-19.71	-.44	-3.96	-.01	-.48	-.62	-1.84	.05	.62	.104
		10.9	-7.76	-191.04	-.71	-.44	-2.25	-.01	-.48	-2.14	-.07	.05	.35	.090
		14.5	-7.76	-251.55	18.26	-.44	-.53	-.01	-.48	-2.82	1.71	.05	.06	.169
101- 201	URL- 1	0.0	-19.57	-380.67	652.88	9.68	5.97	-120.68	-.21	-1.18		.34	.34	.045
		3.8	-20.73	-112.13	217.15	9.68	5.97	-120.68	-.23	-.38		.34	.34	.020
		7.5	-21.89	156.62	-218.59	9.68	5.97	-120.68	-.24	-.42		.34	.34	.022
		11.3	-23.05	425.36	-654.33	9.68	5.97	-120.68	-.25	-1.22		.34	.34	.048
		15.0	-24.22	694.11	-1090.07	9.68	5.97	-120.68	-.27	-2.02		.34	.34	.074
102- 103	W18- 1	0.0	-5.38	-210.45	26.55	.44	.11	-.01	-.33	-2.36	2.46	.05	.02	.174
		3.6	-5.38	-160.37	7.09	.44	1.83	-.01	-.33	-1.89	.66	.05	.28	.097
		7.3	-5.38	-51.38	-12.16	.44	3.55	-.01	-.33	-.58	-1.13	.05	.55	.072
		10.9	-5.38	140.51	-31.41	.44	5.27	-.01	-.33	1.58	-2.93	.05	.82	.166
		14.5	-5.38	407.31	-50.67	.44	6.99	-.01	-.33	4.57	-4.73	.05	1.09	.323
102- 104	W06- 1	0.0	.62	1.17	4.15	.06	-.17	.00	.09	.06	.74	.01	.09	.031
		3.6	.62	-4.23	1.39	.06	-.08	.00	.09	-.20	.25	.01	.04	.018
		7.2	.62	-5.84	-1.38	.06	.01	.00	.09	-.28	-.25	.01	.00	.021
		10.9	.62	-3.67	-4.14	.06	.09	.00	.09	-.18	-.74	.01	.05	.034
		14.5	.62	2.27	-6.91	.06	.18	.00	.09	.11	-1.23	.01	.09	.049
102- 105	W06- 1	0.0	.46	-1.14	-.83	-.02	-.20	-.00	.06	-.05	-.15	.00	.10	.009
		3.6	.46	-7.91	.10	-.02	-.11	-.00	.06	-.38	.02	.00	.06	.015
		7.2	.46	-10.89	1.03	-.02	-.03	-.00	.06	-.52	.18	.00	.01	.025
		10.9	.46	-10.09	1.96	-.02	.06	-.00	.06	-.49	.35	.00	.03	.030
		14.5	.46	-5.51	2.89	-.02	.15	-.00	.06	-.27	.52	.00	.08	.029
103- 105	W18- 1	0.0	-9.01	331.37	46.96	.37	-6.57	.04	-.56	3.72	4.38	.04	1.02	.294
		3.6	-9.01	82.98	30.70	.37	-4.85	.04	-.56	.93	2.86	.04	.75	.153
		7.2	-9.01	-90.57	14.44	.37	-3.13	.04	-.56	-1.02	1.35	.04	.49	.102
		10.9	-9.01	-189.29	-1.82	.37	-1.41	.04	-.56	-2.12	-.17	.04	.22	.097
		14.5	-9.01	-213.17	-18.09	.37	.31	.04	-.56	-2.39	-1.69	.04	.05	.158
103- 203	URL- 1	0.0	-18.57	-260.92	-573.10	-10.21	7.17	97.63	-.20	-1.00		.35	.35	.039
		3.8	-19.73	35.64	-113.76	-10.21	7.17	97.63	-.22	-.19		.35	.35	.014
		7.5	-20.89	356.61	345.56	-10.21	7.17	97.63	-.23	-.78		.35	.35	.033
		11.3	-22.05	681.38	804.92	-10.21	7.17	97.63	-.24	-1.65		.35	.35	.061
		15.0	-23.22	1094.15	1264.26	-10.21	7.17	97.63	-.25	-2.53		.35	.35	.089

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
104- 105	W16- 1	0.0	-1.09	-2.32	4.78	.03	-.13	-.01	-.16	-.11	.85	.01	.07	.043
		3.6	-1.09	-6.06	3.59	.03	-.04	-.01	-.16	-.29	.64	.01	.02	.042
		7.3	-1.09	-6.01	2.41	.03	.04	-.01	-.16	-.29	.43	.01	.03	.034
		10.9	-1.09	-2.17	1.22	.03	.13	-.01	-.16	-.10	.22	.01	.07	.021
		14.5	-1.09	5.44	.03	.03	.22	-.01	-.16	.26	.01	.01	.12	.018
104- 106	W16- 1	0.0	-6.83	-249.36	6.60	-.01	-.22	.04	-.42	-2.80	.62	.00	.04	.128
		3.6	-6.83	-221.66	7.03	-.01	1.50	.04	-.42	-2.49	.66	.00	.23	.119
		7.3	-6.83	-119.03	7.47	-.01	3.22	.04	-.42	-1.34	.70	.00	.50	.084
		10.9	-6.83	58.52	7.91	-.01	4.94	.04	-.42	.66	.74	.00	.77	.064
		14.5	-6.83	317.13	8.35	-.01	11.66	.04	-.42	3.56	.78	.00	1.81	.157
105- 106	W16- 1	0.0	-8.24	-216.65	-15.16	-.20	.66	.03	-.51	-2.45	-1.41	.02	.11	.148
		3.6	-8.24	-151.60	-6.50	-.20	2.40	.03	-.51	-1.70	-.61	.02	.37	.096
		7.3	-8.24	-9.77	2.16	-.20	4.12	.03	-.51	-.11	.20	.02	.64	.032
		10.9	-8.24	207.06	10.82	-.20	5.84	.03	-.51	2.32	1.01	.02	.91	.130
		14.5	-8.24	496.61	19.47	-.20	7.57	.03	-.51	5.60	1.82	.02	1.18	.262
105- 206	UKL- 1	0.0	-27.44	706.67	90.86	7.45	-1.18	-27.82	-.30	-1.11		.19	.19	.046
		3.8	-28.60	653.40	-243.55	7.45	-1.18	-27.82	-.31	-1.09		.19	.19	.046
		7.5	-29.76	600.13	-577.94	7.45	-1.18	-27.82	-.33	-1.30		.19	.19	.053
		11.3	-30.92	546.86	-912.35	7.45	-1.18	-27.82	-.34	-1.66		.19	.19	.065
		15.0	-32.09	493.59	-1246.77	7.45	-1.18	-27.82	-.35	-2.10		.19	.19	.079
201- 202	W16- 1	0.0	-24.98	601.55	-66.12	-.59	-10.28	.00	-1.54	6.75	-6.35	.07	1.60	.500
		3.6	-24.98	208.26	-42.40	-.59	-7.80	.00	-1.54	2.34	-3.96	.07	1.21	.277
		7.3	-24.98	-77.01	-16.69	-.59	-5.32	.00	-1.54	-.86	-1.56	.07	.83	.146
		10.9	-24.98	-254.26	9.03	-.59	-2.83	.00	-1.54	-2.85	.84	.07	.44	.184
		14.5	-24.98	-323.50	34.75	-.59	-.35	.00	-1.54	-3.63	3.24	.07	.05	.293
201- 204	W16- 1	0.0	66.43	503.54	-61.60	-.49	-9.67	-.03	4.10	5.65	-5.75	.06	1.50	.522
		3.6	66.43	137.12	-40.32	-.49	-7.19	-.03	4.10	1.54	-3.76	.06	1.12	.322
		7.2	66.43	-121.38	-19.04	-.49	-4.70	-.03	4.10	-1.36	-1.78	.06	.73	.248
		10.9	66.43	-271.96	2.24	-.49	-2.22	-.03	4.10	-3.05	.21	.06	.35	.247
		14.5	66.43	-314.02	23.51	-.49	.26	-.03	4.10	-3.53	2.19	.06	.04	.331
201- 301	UKL- 1	0.0	-45.50	296.09	-159.86	-6.43	-62.97	-267.43	-.50	-.51		1.60	1.60	.034
		3.8	-46.65	-2537.64	149.61	-6.43	-62.97	-267.43	-.51	-3.98		1.60	1.60	.144
		7.5	-47.83	-5371.38	439.09	-6.43	-62.97	-267.43	-.52	-8.43		1.60	1.60	.286
		11.3	-48.99	-8204.64	728.56	-6.43	-62.69	-267.43	-.54	-12.89		1.59	1.59	.427
		15.0	-49.59	-10906.60	1018.03	-6.43	-57.03	-267.43	-.54	-17.14		1.47	1.47	.562
201- 303	120- 1	0.0	2.34	96.76	-32.56	1.37	-1.51	-25.91	.08	1.27		.31	.31	.043
		8.2	1.98	-17.15	-166.88	1.37	-.81	-25.91	.07	2.09		.27	.27	.069
		16.3	1.62	-62.69	-301.19	1.37	-.12	-25.91	.06	3.84		.26	.26	.123
		24.5	1.26	-39.63	-431.72	.35	.80	-25.91	.04	5.41		.22	.22	.173
		32.6	.99	219.38	420.64	-19.17	4.46	-25.91	.03	5.92		1.55	1.55	.189

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
202- 203	A18- 1	0.0	-24.79	-325.36	31.09	.51	.03	.02	-1.53	-3.65	2.90	.06	.01	.281
		3.6	-24.79	-269.95	8.69	.51	2.52	.02	-1.53	-3.03	.83	.06	.39	.189
		7.3	-24.79	-106.52	-13.31	.51	5.00	.02	-1.53	-1.20	-1.24	.06	.78	.145
		10.9	-24.79	164.95	-35.52	.51	7.48	.02	-1.53	1.85	-3.31	.06	1.16	.238
		14.5	-24.79	544.39	-57.72	.51	9.96	.02	-1.53	6.11	-5.38	.06	1.55	.445
202- 204	A08- 1	0.0	.83	-1.67	4.99	.07	-.17	.00	.12	-.09	.89	.01	.09	.038
		3.6	.83	-7.58	1.96	.07	-.09	.00	.12	-.36	.35	.01	.05	.028
		7.2	.83	-9.52	-1.06	.07	-.00	.00	.12	-.46	-.19	.01	.00	.025
		10.9	.83	-7.67	-4.09	.07	.09	.00	.12	-.37	-.73	.01	.05	.041
		14.5	.83	-2.04	-7.12	.07	.17	.00	.12	-.10	-1.27	.01	.09	.051
202- 205	A05- 1	0.0	.38	1.85	-1.34	-.04	-.21	-.01	.05	.09	-.24	.01	.11	.013
		3.6	.38	-5.28	.33	-.04	-.12	-.01	.05	-.25	.06	.01	.06	.012
		7.2	.38	-8.63	2.00	-.04	-.03	-.01	.05	-.41	.36	.01	.02	.028
		10.9	.38	-8.20	3.67	-.04	.05	-.01	.05	-.39	.65	.01	.03	.037
		14.5	.38	-3.99	5.33	-.04	.14	-.01	.05	-.19	.95	.01	.08	.041
203- 205	A21- 1	0.0	-34.66	1046.60	90.49	.68	-22.38	.03	-1.61	6.95	5.32	.06	2.32	.470
		3.6	-34.66	205.27	60.81	.68	-16.32	.03	-1.61	1.36	3.57	.06	1.69	.253
		7.2	-34.66	-372.68	31.14	.68	-10.26	.03	-1.61	-2.47	1.83	.06	1.06	.207
		10.9	-34.66	-687.05	1.46	.68	-4.20	.03	-1.61	-4.56	.09	.06	.44	.213
		14.5	-34.66	-737.84	-28.21	.68	1.86	.03	-1.61	-4.90	-1.66	.06	.19	.278
203- 303	DKL- 1	0.0	-123.28	-305.72	-89.53	3.06	-58.45	288.67	-1.35	-.50		1.51	1.51	.065
		3.8	-124.44	-2935.88	-227.06	3.06	-58.45	288.67	-1.37	-4.61		1.51	1.51	.195
		7.5	-125.60	-5560.03	-364.59	3.06	-58.45	288.67	-1.38	-8.73		1.51	1.51	.326
		11.3	-126.77	-8195.71	-502.12	3.06	-58.17	288.67	-1.39	-12.84		1.50	1.50	.457
		15.0	-127.36	-10696.28	-639.65	3.06	-52.50	288.67	-1.40	-16.76		1.38	1.38	.591
203- 306	120- 1	0.0	126.58	492.31	59.03	-1.08	-5.13	20.90	4.48	6.19		.50	.50	.352
		8.2	126.22	24.38	165.12	-1.08	-4.43	20.90	4.46	2.08		.45	.45	.221
		16.3	125.86	-375.39	271.20	-1.08	-3.73	20.90	4.45	5.78		.41	.41	.338
		24.5	125.51	-502.07	245.93	3.74	4.38	20.90	4.44	6.98		.54	.54	.375
		32.6	125.24	635.64	-574.18	12.97	18.73	20.90	4.43	10.69		1.74	1.74	.492
204- 205	A08- 1	0.0	-1.42	2.01	3.05	-.00	-.16	-.00	-.20	.10	.55	.00	.08	.035
		3.6	-1.42	-3.24	3.06	-.00	-.08	-.00	-.20	-.16	.55	.00	.04	.037
		7.3	-1.42	-4.71	3.06	-.00	.01	-.00	-.20	-.23	.55	.00	.01	.039
		10.9	-1.42	-2.39	3.06	-.00	.10	-.00	-.20	-.11	.55	.00	.05	.035
		14.5	-1.42	3.72	3.07	-.00	.18	-.00	-.20	.18	.55	.00	.09	.037
204- 206	A18- 1	0.0	67.61	-510.64	13.34	.08	.60	.05	4.17	-3.55	1.24	.01	.09	.301
		3.6	67.61	-236.65	9.62	.08	3.08	.05	4.17	-2.66	.92	.01	.48	.261
		7.3	67.61	-48.61	6.30	.08	5.56	.05	4.17	-.55	.59	.01	.87	.183
		10.9	67.61	247.47	2.78	.08	8.05	.05	4.17	2.78	.26	.01	1.25	.242
		14.5	67.61	657.75	-.74	.08	15.53	.05	4.17	7.38	-.07	.01	2.41	.381

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
205- 206	421- 1	0.0	-33.72	-741.70	-19.81	-.22	2.19	.00	-1.57	-4.92	-1.16	.02	.23	.260
		3.6	-33.72	-514.62	-10.30	-.22	8.25	.00	-1.57	-3.42	-.61	.02	.85	.193
		7.3	-33.72	-23.64	-.80	-.22	14.32	.00	-1.57	-.16	-.05	.02	1.48	.070
		10.9	-33.72	731.23	8.71	-.22	20.38	.00	-1.57	4.85	.51	.02	2.11	.235
		14.5	-33.72	1749.99	18.21	-.22	26.45	.00	-1.57	11.62	1.07	.02	2.74	.469
206- 301	120- 1	0.0	-156.00	-125.35	-331.25	-2.62	.39	18.24	-5.52	-4.42		.30	.30	.451
		8.2	-156.36	-53.20	-74.74	-2.62	1.08	18.24	-5.53	-1.14		.31	.31	.337
		16.3	-156.72	87.10	181.78	-2.62	1.78	18.24	-5.54	-2.52		.34	.34	.396
		24.5	-157.09	289.11	395.27	-.09	2.02	18.24	-5.56	-6.11		.26	.26	.508
		32.6	-157.38	340.30	-55.29	9.87	-1.66	18.24	-5.57	-4.30		.82	.82	.437
206- 306	URL- 1	0.0	-2.04	2402.33	-755.77	-13.50	-90.51	-347.89	-.02	-3.94		2.28	2.28	.125
		3.8	-3.21	-1670.65	-148.36	-13.50	-90.51	-347.89	-.04	-2.62		2.28	2.28	.024
		7.5	-4.37	-5743.64	459.02	-13.50	-90.51	-347.89	-.05	-9.01		2.28	2.28	.287
		11.3	-5.53	-9771.46	1065.41	-13.50	-87.92	-347.89	-.06	-15.38		2.22	2.22	.489
		15.0	-6.13	-13616.74	1673.81	-13.50	-82.68	-347.89	-.07	-21.46		2.11	2.11	.682
301- 303	123- 1	0.0	7.25	79.50	798.33	16.65	-1.08	1.66	.38	14.15		1.75	1.75	.461
		7.3	7.25	6.87	-204.79	8.24	-.58	1.66	.38	5.02		.87	.87	.172
		14.5	7.25	-22.24	-636.23	-.17	-.08	1.66	.38	11.23		.03	.03	.368
		21.7	7.25	-7.63	-256.01	-8.58	.42	1.66	.38	4.52		.91	.91	.156
		29.0	7.25	50.10	855.86	-16.99	.92	1.66	.38	15.12		1.78	1.78	.492
301- 306	123- 1	0.0	69.51	686.59	198.69	7.33	-5.04	4.44	4.65	12.26		.96	.96	.550
		7.2	69.51	255.10	-253.15	3.02	-4.36	4.44	4.65	6.54		.59	.59	.362
		14.5	69.50	-81.35	-319.39	-1.54	-3.32	4.44	4.65	5.81		.42	.42	.346
		21.7	69.49	-312.62	14.02	-6.09	-1.96	4.44	4.65	5.52		.70	.70	.337
		29.0	69.49	-415.66	733.04	-10.40	-.30	4.44	4.65	14.86		1.12	1.12	.632
301- 401	URL- 1	0.0	-114.76	-11780.02	1605.17	11.76	43.75	787.08	-1.26	-18.60		1.61	1.61	.637
		7.1	-114.75	-7475.57	599.30	11.76	57.16	787.08	-1.26	-11.74		1.90	1.90	.419
		14.2	-114.72	-1955.70	-406.40	11.76	72.32	787.08	-1.26	-3.12		2.22	2.22	.147
		21.4	-114.70	4875.41	-1412.19	11.76	87.03	787.08	-1.26	-7.94		2.54	2.54	.299
		28.5	-114.67	12851.78	-2417.97	11.76	99.11	787.08	-1.26	-20.46		2.81	2.81	.695
303- 306	123- 1	0.0	-61.63	616.43	-247.22	-7.83	-4.68	15.97	-3.20	-11.71		1.09	1.09	.512
		7.2	-61.63	236.19	247.82	-3.52	-4.00	15.97	-3.20	-6.04		.69	.69	.333
		14.5	-61.64	-69.01	357.28	1.04	-2.96	15.97	-3.20	-6.42		.47	.47	.345
		21.7	-61.66	-269.23	67.07	5.59	-1.60	15.97	-3.20	-4.89		.75	.75	.296
		29.0	-61.66	-340.62	-608.74	9.91	.00	15.97	-3.20	-12.30		1.17	1.17	.531
303- 403	URL- 1	0.0	-136.47	-11050.21	-1231.22	-10.61	40.94	-1199.96	-1.50	-17.39		1.87	1.87	.608
		7.1	-136.44	-6989.16	-307.30	-10.61	54.35	-1199.96	-1.50	-10.94		2.16	2.16	.403
		14.2	-136.41	-1706.08	615.63	-10.61	69.51	-1199.96	-1.50	-2.84		2.48	2.46	.147
		21.4	-136.39	4884.05	1540.56	-10.61	84.22	-1199.96	-1.50	-8.01		2.80	2.80	.311
		28.5	-136.36	12620.01	2464.49	-10.61	96.30	-1199.96	-1.50	-20.11		3.07	3.07	.694

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
305- 406	JKL- 1	0.0	35.14	-13604.32	1834.49	12.95	61.84	47.39	.59	21.47		1.42	1.42	.693
		7.1	35.17	-7768.75	720.85	12.95	74.68	47.39	.59	12.24		1.70	1.70	.401
		14.2	35.19	-760.68	-380.79	12.95	89.52	47.39	.59	1.34		2.02	2.02	.056
		21.4	35.22	7487.66	-1488.43	12.95	103.34	47.39	.59	11.94		2.32	2.32	.391
		28.5	35.25	15819.97	-2596.07	12.95	114.42	47.39	.59	26.62		2.56	2.56	.856
401- 501	JL4- 1	0.0	1212.99	-3760.38	-16663.96	74.98	-40.32	-520.38	8.49	10.73		1.35	1.35	.635
		1.1	1212.52	-4320.73	-17707.39	77.47	-41.55	-520.38	8.48	11.45		1.39	1.39	.658
		2.3	1212.04	-4897.06	-18764.56	79.91	-42.75	-520.38	8.48	12.20		1.43	1.43	.681
		3.4	1211.56	-5490.79	-19844.81	82.30	-43.92	-520.38	8.48	12.97		1.47	1.47	.705
		4.5	1211.08	-6099.77	-21037.42	84.64	-45.06	-520.38	8.47	13.76		1.51	1.51	.730
401- 510	P1- 1	0.0	-1356.40	-6124.30	4565.40	8.62	-1.91	-701.26	-6.04	-3.58		.24	.24	.323
		1.1	-1357.14	-6149.61	4465.62	8.62	-1.79	-701.26	-6.04	-3.55		.24	.24	.323
		2.3	-1357.87	-6173.24	4347.85	8.62	-1.67	-701.26	-6.05	-3.53		.24	.24	.322
		3.4	-1358.60	-6195.18	4230.08	8.62	-1.55	-701.26	-6.05	-3.51		.24	.24	.322
		4.5	-1359.34	-6215.45	4112.31	8.62	-1.42	-701.26	-6.05	-3.49		.24	.24	.321
403- 503	JL4- 1	0.0	1169.95	-3444.02	17658.09	-91.82	-57.84	237.66	8.32	11.30		1.59	1.59	.647
		1.1	1169.47	-4264.14	18950.07	-94.32	-59.07	237.66	8.32	12.19		1.63	1.63	.675
		2.3	1168.99	-5060.83	20237.80	-96.76	-60.26	237.66	8.32	13.11		1.67	1.67	.704
		3.4	1168.51	-5893.73	21578.59	-99.15	-61.43	237.66	8.31	14.05		1.71	1.71	.734
		4.6	1168.03	-6742.47	22951.76	-101.48	-62.57	237.66	8.31	15.03		1.74	1.74	.765
403- 511	P1- 1	0.0	-1353.49	-6363.64	-5727.84	-9.79	-1.42	539.45	-6.12	-4.00		.22	.22	.340
		1.1	-1354.23	-6382.34	-5594.19	-9.79	-1.29	539.45	-6.12	-3.97		.22	.22	.339
		2.3	-1354.96	-6399.15	-5460.54	-9.79	-1.17	539.45	-6.12	-3.93		.22	.22	.338
		3.4	-1355.69	-6414.28	-5326.90	-9.79	-1.05	539.45	-6.13	-3.90		.22	.22	.337
		4.5	-1356.43	-6427.74	-5193.25	-9.79	-.92	539.45	-6.13	-3.87		.21	.21	.336
405- 506	JL4- 1	0.0	-2213.74	6706.93	-2130.01	13.48	124.31	-164.95	-15.49	-4.42		1.80	1.80	.679
		1.1	-2214.21	8425.56	-2314.49	13.48	126.83	-164.95	-15.49	-5.49		1.84	1.84	.713
		2.3	-2214.68	10170.22	-2498.96	13.48	129.28	-164.95	-15.49	-6.58		1.87	1.87	.748
		3.4	-2215.15	11964.05	-2683.44	13.48	131.68	-164.95	-15.50	-7.70		1.90	1.90	.783
		4.6	-2215.63	13782.31	-2867.91	13.48	134.01	-164.95	-15.50	-8.84		1.94	1.94	.819
405- 512	P1- 1	0.0	2268.07	12710.64	-438.45	-.52	-13.52	-215.26	10.25	5.95		.17	.17	.545
		1.1	2267.34	12526.06	-431.29	-.52	-13.40	-215.26	10.25	5.86		.17	.17	.542
		2.3	2266.60	12344.76	-424.13	-.52	-13.27	-215.26	10.24	5.78		.17	.17	.539
		3.4	2265.87	12164.34	-416.98	-.52	-13.15	-215.26	10.24	5.69		.17	.17	.537
		4.6	2265.14	11985.59	-409.82	-.52	-13.03	-215.26	10.24	5.61		.17	.17	.534
501- 502	165- 1	0.0	-177.17	244.69	-497.06	-.54	-3.01	228.27	-5.87	-4.96		1.22	1.22	.362
		3.8	-177.17	114.05	-412.11	-3.19	-2.74	228.27	-5.87	-3.83		1.30	1.30	.330
		7.6	-177.17	-4.07	-206.65	-5.85	-2.46	228.27	-5.87	-1.85		1.44	1.44	.276
		11.4	-177.17	-109.60	119.30	-8.50	-2.18	228.27	-5.87	-1.45		1.60	1.60	.264
		15.1	-177.17	-202.57	565.75	-11.15	-1.91	228.27	-5.87	-5.38		1.77	1.77	.375

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	165- 1	0.0	290.41	1266.78	-597.17	-3.81	-7.92	103.33	9.62	12.56		1.04	1.04	.732
		3.8	290.40	915.21	-394.50	-5.11	-7.63	103.33	9.62	8.92		1.07	1.07	.617
		7.6	290.39	575.07	-132.45	-6.42	-7.33	103.33	9.62	5.28		1.11	1.11	.502
		11.4	290.38	249.22	168.97	-7.72	-7.00	103.33	9.62	2.80		1.15	1.15	.423
		15.2	290.37	-61.47	509.77	-9.03	-6.65	103.33	9.62	5.13		1.21	1.21	.497
501- 601	JL5- 1	0.0	1151.97	-5136.45	-19026.71	-120.66	23.45	-217.13	8.06	12.38		1.79	1.79	.672
		1.5	1151.33	-4722.11	-16853.05	-117.62	21.98	-217.13	8.05	11.00		1.74	1.74	.628
		3.0	1150.70	-4334.17	-14734.07	-114.67	20.56	-217.13	8.05	9.65		1.70	1.70	.586
		4.6	1150.06	-3971.66	-12668.10	-111.61	19.19	-217.13	8.05	8.34		1.66	1.66	.544
		6.1	1149.42	-3633.76	-10655.49	-109.04	17.86	-217.13	8.04	7.07		1.61	1.61	.504
501- 642	200- 1	0.0	11.14	70.59	1703.24	18.48	-.89	213.77	.29	9.54		1.57	1.57	.312
		5.1	11.17	22.42	714.15	14.15	-.69	213.77	.29	4.00		1.34	1.34	.137
		10.1	11.20	-13.05	-18.67	10.04	-.48	213.77	.29	.13		1.13	1.13	.014
		15.2	11.23	-35.41	-510.07	6.17	-.26	213.77	.30	2.86		.92	.92	.101
		20.2	11.26	-44.98	-772.94	2.52	-.06	213.77	.30	4.33		.73	.73	.147
502- 503	165- 1	0.0	-161.64	-211.03	401.45	9.94	1.16	-178.11	-6.02	-4.71		1.46	1.46	.361
		3.8	-161.64	-152.13	90.06	7.29	1.43	-178.11	-6.02	-1.58		1.29	1.29	.273
		7.6	-161.64	-80.67	-180.83	4.63	1.71	-178.11	-6.02	-1.77		1.12	1.12	.279
		11.4	-161.64	5.36	-331.23	1.98	1.99	-178.11	-6.02	-2.97		.98	.98	.312
		15.1	-161.64	99.96	-361.12	-.67	2.26	-178.11	-6.02	-3.35		.95	.95	.323
502- 504	125- 1	0.0	8.89	172.23	17.37	-1.36	-1.45	-95.65	.46	3.05		1.05	1.05	.113
		3.8	8.89	110.61	55.29	-.31	-1.26	-95.65	.46	2.18		.98	.98	.085
		7.6	8.90	55.24	45.41	.74	-1.06	-95.65	.46	1.30		.98	.98	.057
		11.4	8.90	14.97	-12.29	1.80	-.85	-95.65	.46	.34		1.05	1.05	.027
		15.1	8.91	-18.58	-117.80	2.85	-.63	-95.65	.46	2.10		1.15	1.15	.083
502- 505	125- 1	0.0	17.23	187.21	66.93	1.72	-1.62	94.52	.90	3.51		1.06	1.06	.142
		3.8	17.24	117.94	12.86	.65	-1.43	94.52	.90	2.09		1.00	1.00	.097
		7.6	17.24	57.54	6.64	-.39	-1.23	94.52	.90	1.02		.97	.97	.064
		11.4	17.25	6.42	48.22	-1.44	-1.02	94.52	.90	.86		1.02	1.02	.058
		15.1	17.25	-34.97	137.60	-2.49	-.80	94.52	.90	2.50		1.11	1.11	.110
503- 505	165- 1	0.0	-146.83	1101.34	467.88	1.25	-7.14	-131.49	-4.86	-10.71		1.07	1.07	.506
		3.8	-146.84	763.24	361.24	2.56	-6.85	-131.49	-4.86	-7.80		1.07	1.07	.416
		7.6	-146.85	478.58	235.23	3.87	-6.55	-131.49	-4.86	-4.77		1.09	1.09	.320
		11.4	-146.87	186.20	29.84	5.17	-6.22	-131.49	-4.86	-1.71		1.12	1.12	.232
		15.2	-146.88	-87.02	-234.91	6.48	-5.88	-131.49	-4.87	-2.24		1.17	1.17	.248
503- 603	JL5- 1	0.0	822.10	-5240.74	20535.68	133.76	29.74	351.72	5.75	13.31		2.03	2.03	.622
		1.5	821.47	-4711.60	18123.12	130.71	28.27	351.72	5.75	11.76		1.98	1.98	.572
		3.0	820.83	-4206.86	15765.23	127.76	26.85	351.72	5.74	10.25		1.94	1.94	.524
		4.6	820.19	-3731.55	13460.35	124.90	25.40	351.72	5.74	8.78		1.89	1.89	.477
		6.1	819.56	-3276.05	11206.84	122.13	24.15	351.72	5.73	7.34		1.85	1.85	.432

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

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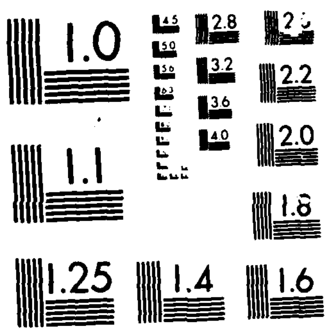
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SPCTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 645	200- 1	0.0	559.62	1710.39	-465.60	-7.28	-13.81	-120.27	14.18	9.98		1.16	1.16	.810
		5.1	559.63	960.75	-103.41	-5.33	-11.09	-120.27	14.18	5.41		.98	.98	.665
		10.1	559.64	365.69	164.12	-3.50	-8.51	-120.27	14.19	2.24		.82	.82	.565
		15.2	559.65	-75.07	324.41	-1.79	-6.05	-120.27	14.19	1.86		.67	.67	.553
		20.2	559.68	-371.67	384.47	-.20	-3.71	-120.27	14.19	2.99		.53	.53	.589
504- 505	165- 1	0.0	-26.00	-117.42	84.60	3.43	-.57	-1.05	-1.35	-2.55		.37	.37	.132
		3.8	-26.00	-130.12	-24.00	1.35	-.34	-1.05	-1.35	-2.47		.15	.15	.130
		7.6	-26.00	-140.07	-38.04	-.73	-.12	-1.05	-1.35	-2.71		.09	.09	.137
		11.4	-26.00	-149.08	42.47	-2.81	.10	-1.05	-1.35	-2.73		.30	.30	.138
		15.1	-26.00	-139.35	217.55	-4.90	.33	-1.05	-1.35	-4.56		.52	.52	.196
504- 506	165- 1	0.0	313.26	71.69	367.37	5.66	-6.72	-61.77	10.38	3.35		.86	.86	.467
		3.8	313.25	-225.07	159.83	4.36	-6.36	-61.77	10.38	2.38		.79	.79	.436
		7.6	313.24	-506.17	-28.97	3.07	-5.96	-61.77	10.38	4.54		.72	.72	.505
		11.4	313.22	-766.94	-139.60	1.80	-5.58	-61.77	10.38	7.00		.67	.67	.583
		15.1	313.20	-1013.13	-192.67	.54	-5.16	-61.77	10.37	9.23		.62	.62	.653
505- 505	165- 1	0.0	-118.85	46.11	120.22	.17	-6.36	67.26	-3.94	-1.15		.72	.72	.182
		3.8	-118.86	-254.60	82.90	1.47	-5.99	67.26	-3.94	-2.23		.71	.71	.211
		7.6	-118.87	-498.45	-13.17	2.76	-5.61	67.26	-3.94	-4.46		.72	.72	.276
		11.4	-118.89	-744.58	-167.40	4.03	-5.21	67.26	-3.94	-6.83		.74	.74	.353
		15.1	-118.91	-972.11	-379.20	5.29	-4.80	67.26	-3.94	-9.34		.77	.77	.433
506- 600	JLS- 1	0.0	-1907.39	10551.28	-2652.89	-16.49	-67.40	-309.41	-13.34	-6.82		1.07	1.07	.680
		1.5	-1908.02	9329.54	-2352.00	-16.49	-64.37	-309.41	-13.35	-6.04		1.03	1.03	.656
		3.0	-1908.66	8182.15	-2051.12	-16.49	-61.44	-309.41	-13.35	-5.30		.99	.99	.632
		4.6	-1909.30	7067.33	-1750.24	-16.49	-58.60	-309.41	-13.36	-4.59		.95	.95	.610
		6.1	-1909.94	6043.48	-1449.36	-16.49	-55.85	-309.41	-13.36	-3.90		.91	.91	.589
505- 644	200- 1	0.0	-551.80	-1309.56	-1026.98	-10.28	9.02	-83.87	-14.50	-9.31		.95	.95	.810
		5.1	-551.77	-806.40	-471.14	-8.04	7.56	-83.87	-14.50	-5.23		.81	.81	.693
		10.1	-551.74	-390.41	-48.70	-5.88	6.15	-83.87	-14.50	-2.20		.68	.68	.607
		15.2	-551.73	-59.44	245.12	-3.81	4.76	-83.87	-14.50	-1.41		.56	.56	.584
		20.2	-551.72	188.68	415.11	-1.81	3.42	-83.87	-14.50	-2.55		.44	.44	.617
510- 710	P1- 1	0.0	-1339.21	-6240.25	4073.52	10.09	24.48	-878.67	-6.05	-3.49		.44	.44	.321
		6.3	-1343.30	-4353.18	3306.20	10.09	25.16	-878.67	-6.07	-2.56		.45	.45	.292
		12.7	-1347.39	-2414.31	2538.88	10.09	25.84	-878.67	-6.09	-1.64		.46	.46	.268
		19.0	-1351.47	-423.65	1771.56	10.09	26.52	-878.67	-6.11	-.85		.46	.46	.247
		25.3	-1355.56	1618.60	1004.24	10.09	27.20	-878.67	-6.13	-.89		.47	.47	.249
[illegible]- 711	P1- 1	0.0	-1356.26	-6459.50	-5154.05	-11.29	33.66	902.24	-6.13	-3.87		.53	.53	.336
		6.3	-1360.35	-3874.06	-4295.73	-11.29	34.34	902.24	-6.15	-2.71		.54	.54	.300
		12.7	-1364.44	-1236.62	-3437.40	-11.29	35.03	902.24	-6.17	-1.71		.54	.54	.273
		19.0	-1368.53	1452.22	-2579.07	-11.29	35.71	902.24	-6.18	-1.38		.55	.55	.264
		25.3	-1372.61	4195.04	-1720.75	-11.29	36.39	902.24	-6.20	-2.12		.56	.56	.285

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 6/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 95.0 FEET - 50 YR STORM

MEMBER END	GROUP ID SPEC.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
[illegible]- 712	[illegible] 1	.0	[illegible]	11965.59	-[illegible].75	-.52	-57.82	-235.73	10.24	5.61		.56	.58	.534
		6.5	2256.[illegible]	7614.51	-564.90	-.52	-57.14	-235.73	10.22	3.57		.57	.57	.455
		12.7	2254.74	3245.57	-553.66	-.52	-55.46	-235.73	10.20	1.55		.57	.57	.434
		19.0	2252.65	-971.22	-240.21	-.52	-55.75	-235.73	10.18	.47		.56	.56	.359
		25.5	[illegible].55	-5155.47	-25[illegible].56	-.52	-55.10	-235.73	10.16	2.43		.55	.55	.[illegible]31
[illegible]- 541	[illegible] 1	.0	113[illegible].96	-37[illegible]3.62	-10[illegible]3.47	-56.70	25.15	-712.44	7.95	7.20		1.48	1.45	.5[illegible]
		1.5	1134.54	-3244.5[illegible]	-9291.35	-54.00	21.67	-712.44	7.95	6.19		1.44	1.44	.475
		3.0	1133.71	-24[illegible].35	-7752.40	-51.57	20.63	-712.44	7.95	5.22		1.40	1.40	.442
		4.5	1133.07	-2541.11	-6526.[illegible]	-73.01	19.45	-712.44	7.94	4.28		1.36	1.35	.412
		6.1	113[illegible]	-2197.22	-4405.49	-76.52	15.25	-712.44	7.94	3.36		1.32	1.32	.3[illegible]
[illegible]- 643	[illegible] 1	.0	[illegible]	-355[illegible].27	11577.65	99.42	27.77	847.35	5.65	7.45		1.72	1.72	.45[illegible]
		1.5	[illegible]	-2[illegible].50	950[illegible].24	96.72	25.50	847.35	5.65	6.26		1.68	1.68	.395
		3.0	[illegible].35	-2647.02	7447.25	94.05	27.20	847.35	5.64	5.14		1.64	1.64	.359
		4.5	[illegible].75	-1511.34	6135.75	91.52	26.06	847.35	5.64	4.03		1.60	1.60	.324
		6.1	[illegible].10	-1345.51	4505.50	89.05	24.59	847.35	5.63	2.95		1.56	1.56	.290
[illegible]- 645	[illegible] 1	.0	-1[illegible].11	[illegible]	-1448.54	-16.49	-49.56	-314.11	-13.36	-3.90		.83	.83	.55[illegible]
		1.5	-1[illegible].74	5151.01	-1147.50	-16.49	-45.95	-314.11	-13.37	-3.32		.80	.80	.570
		3.0	-1211.57	4327.93	-546.25	-16.49	-44.50	-314.11	-13.37	-2.77		.76	.76	.553
		4.5	-121[illegible]	3541.08	-545.21	-16.49	-41.65	-314.11	-13.38	-2.25		.73	.73	.537
		6.1	-121[illegible]	2749.75	-244.10	-16.49	-39.90	-314.11	-13.38	-1.77		.70	.70	.522
[illegible]- 651	[illegible] 1	.0	113[illegible]	-2197.22	-4405.49	-76.52	15.25	-712.44	7.94	3.36		1.32	1.32	.355
		1.5	1133.[illegible]1	-1974.71	-3547.31	-72.59	14.54	-712.44	7.93	2.52		1.26	1.26	.33[illegible]
		3.0	1133.17	-1545.25	-2257.17	-66.66	14.66	-712.44	7.93	1.74		1.21	1.21	.331
		4.5	1132.5[illegible]	-1355.9[illegible]	-1055.55	-65.26	15.25	-712.44	7.92	1.06		1.16	1.16	.30[illegible]
		6.1	1131.90	-111[illegible].07	125.97	-61.79	11.65	-712.44	7.92	.70		1.10	1.10	.295
[illegible]- 7[illegible]	[illegible] 1	.0	11.26	-[illegible].02	-772.69	2.52	-.05	215.92	.30	4.35		.73	.73	.147
		5.5	11.27	-[illegible].75	-734.52	-3.05	.09	215.92	.30	4.23		.76	.76	.144
		11.0	11.50	-52.4[illegible]	-501.00	-6.27	.25	215.92	.30	2.14		1.03	1.03	.079
		16.4	11.51	-11.50	527.05	-13.21	.39	215.92	.30	1.63		1.29	1.29	.068
		21.9	11.52	15.91	135[illegible].61	-17.06	.54	215.92	.30	7.56		1.54	1.54	.250
[illegible]- 653	[illegible] 1	.0	[illegible].10	-1345.51	4505.50	89.05	24.69	847.35	5.63	2.95		1.56	1.56	.290
		1.5	[illegible]	-4[illegible].07	2715.17	85.25	23.17	847.35	5.63	1.92		1.50	1.50	.257
		3.0	[illegible].65	-5[illegible]	1394.05	81.57	21.49	847.35	5.62	.93		1.45	1.45	.225
		4.5	505.17	-125.49	-51.62	77.99	19.66	847.35	5.62	.09		1.39	1.39	.193
		6.1	[illegible]	22[illegible].36	-1155.12	74.51	16.26	847.35	5.61	.92		1.34	1.34	.225
[illegible]- 711	[illegible] 1	.0	-551.72	1[illegible].65	[illegible]15.16	-1.70	3.50	-85.70	-14.50	-2.55		.44	.44	.5[illegible]
		5.5	-551.70	[illegible]	425.27	1.35	1.26	-85.70	-14.50	-3.08		.53	.33	.5[illegible]
		11.0	-551.60	339.45	257.99	4.24	-.75	-85.70	-14.50	-2.42		.46	.46	.51[illegible]
		16.5	-551.65	22[illegible].04	-150.25	6.98	-3.04	-85.70	-14.50	-1.47		.63	.63	.531
		21.9	-551.61	-3[illegible]	-[illegible]	9.57	-3.[illegible]	-85.70	-14.50	-3.79		.30	.30	.5[illegible]

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /----	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS ----/	COMB. UNITY CHECK
645- 706	200- 1	0.0	539.68	-371.62	384.54	-.04	-3.65	-120.20	14.19	2.99		.53	.53	.589
		5.5	539.73	-498.70	305.77	2.41	-.25	-120.20	14.19	3.27		.46	.46	.597
		11.0	539.78	-408.32	70.71	4.71	2.96	-120.20	14.19	2.32		.63	.63	.567
		16.4	539.81	-114.38	-310.20	6.84	5.94	-120.20	14.19	1.85		.81	.81	.552
		21.9	539.85	369.19	-826.50	8.65	8.72	-120.20	14.19	5.07		.99	.99	.654
646- 656	JL6- 1	0.0	-1912.56	2799.75	-244.67	-16.49	-42.50	-313.72	-13.38	-1.77		.74	.74	.522
		1.5	-1913.19	2054.60	56.29	-16.49	-39.17	-313.72	-13.38	-1.29		.69	.69	.507
		3.0	-1913.82	1369.39	357.25	-16.49	-35.95	-313.72	-13.39	-.89		.65	.65	.494
		4.6	-1914.45	742.17	658.22	-16.49	-32.81	-313.72	-13.39	-.62		.61	.61	.487
		6.1	-1915.08	171.22	959.10	-16.49	-29.70	-313.72	-13.40	-.61		.57	.57	.487
651- 701	JL6- 1	0.0	1165.11	-1175.51	-612.95	-16.62	12.03	-1377.00	8.30	.83		.72	.72	.315
		1.8	1165.37	-956.70	-297.33	-12.65	10.23	-1377.00	8.29	.62		.66	.66	.308
		3.5	1164.63	-759.55	-64.95	-9.00	8.49	-1377.00	8.29	.47		.61	.61	.303
		5.3	1163.89	-576.61	66.73	-5.27	6.81	-1377.00	8.28	.37		.55	.55	.300
		7.1	1163.15	-449.32	100.11	-1.64	5.18	-1377.00	8.28	.30		.51	.51	.298
653- 703	JL6- 1	0.0	832.73	96.26	-717.94	29.84	21.32	1523.55	5.83	.46		.99	.99	.217
		1.8	831.99	530.92	-1310.80	25.87	19.52	1523.55	5.82	.89		.93	.93	.231
		3.5	831.25	927.69	-1820.42	22.02	17.76	1523.55	5.82	1.28		.87	.87	.243
		5.3	830.51	1286.45	-2249.33	18.29	16.10	1523.55	5.81	1.63		.82	.82	.254
		7.1	829.77	1613.78	-2599.95	14.66	14.47	1523.55	5.80	1.92		.77	.77	.265
656- 706	JL6- 1	0.0	-1915.09	171.22	959.33	-16.49	-28.90	-313.27	-13.40	-.61		.56	.56	.488
		1.8	-1915.83	-407.26	1310.46	-16.49	-25.46	-313.27	-13.40	-.86		.52	.52	.495
		3.5	-1916.56	-913.61	1661.63	-16.49	-22.14	-313.27	-13.41	-1.19		.48	.48	.504
		5.3	-1917.30	-1350.74	2012.76	-16.49	-18.92	-313.27	-13.41	-1.52		.45	.45	.515
		7.1	-1918.04	-1720.50	2363.93	-16.49	-15.82	-313.27	-13.42	-1.84		.42	.42	.525
701- 702	137- 1	0.0	-61.00	96.10	83.72	4.29	-.91	20.93	-4.18	-2.94		.91	.91	.296
		4.7	-61.00	48.47	-66.56	1.76	-.85	20.93	-4.18	-2.26		.58	.58	.273
		9.4	-61.00	2.27	-114.30	-.77	-.79	20.93	-4.18	-2.61		.46	.46	.281
		14.1	-61.00	-40.50	.49	-3.31	-.73	20.93	-4.18	-.92		.77	.77	.237
		18.8	-61.00	-79.65	257.82	-5.84	-.67	20.93	-4.18	-4.16		1.11	1.11	.382
701- 704	137- 1	0.0	7.66	165.62	-52.54	1.29	-1.27	-7.38	.53	3.97		.33	.33	.144
		4.7	7.65	96.45	-90.31	.05	-1.20	-7.38	.52	3.02		.25	.25	.114
		9.4	7.65	31.13	-57.42	-1.22	-1.12	-7.38	.52	1.49		.31	.31	.065
		14.1	7.65	-29.42	47.03	-2.50	-1.03	-7.38	.52	1.27		.45	.45	.058
		18.8	7.65	-84.55	223.93	-3.79	-.93	-7.38	.52	5.46		.62	.62	.191
701- 801	JL7- 1	0.0	591.10	756.07	412.79	-26.30	7.86	-404.45	8.36	1.10		1.03	1.03	.326
		6.6	569.72	1153.91	2016.89	-14.46	2.27	-404.45	8.34	2.95		.67	.67	.384
		13.2	568.34	1129.69	2730.05	-3.73	-2.81	-404.45	8.32	3.76		.39	.39	.409
		19.8	566.98	720.38	2631.00	6.10	-7.46	-404.45	8.30	3.47		.53	.53	.399
		26.4	565.63	-42.46	1766.54	15.14	-11.75	-404.45	8.28	2.27		.80	.80	.360

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 506	200- 1	0.0	401.90	1094.58	456.92	7.28	-10.95	-9.23	12.14	6.64		.72	.72	.633
		12.2	401.96	-114.98	-266.89	2.95	-5.64	-9.23	12.14	1.73		.36	.36	.477
		24.4	402.01	-581.55	-429.74	-.93	-.81	-9.23	12.14	4.05		.09	.09	.551
		36.6	402.12	-375.97	-34.21	-4.40	3.53	-9.23	12.15	2.11		.32	.32	.490
		48.8	402.22	425.58	841.56	-7.49	7.32	-9.23	12.15	5.28		.58	.56	.590
702- 703	137- 1	0.0	-60.47	-83.06	271.60	6.15	.70	-21.04	-4.15	-6.48		1.09	1.09	.389
		4.7	-60.47	-42.00	-2.49	3.61	.76	-21.04	-4.15	-.96		.75	.75	.237
		9.4	-60.47	2.49	-135.04	1.08	.82	-21.04	-4.15	-3.08		.43	.43	.293
		14.1	-60.47	50.41	-124.57	-1.45	.86	-21.04	-4.15	-3.07		.47	.47	.294
		18.8	-60.47	101.76	28.45	-3.99	.94	-21.04	-4.15	-2.41		.80	.80	.282
702- 704	127- 1	0.0	8.77	22.55	-101.64	-2.47	-.66	-6.24	.74	3.49		.53	.53	.136
		4.7	8.76	-7.79	5.05	-1.33	-.39	-6.24	.74	.31		.34	.34	.035
		9.4	8.76	-21.63	48.07	-.20	-.10	-6.24	.74	1.76		.14	.14	.081
		14.1	8.75	-18.30	27.24	.94	.22	-6.24	.74	1.10		.27	.27	.060
		18.8	8.75	2.85	-57.46	2.07	.54	-6.24	.73	1.92		.46	.46	.086
702- 705	127- 1	0.0	7.87	26.48	88.05	2.38	-.69	4.78	.66	3.07		.50	.50	.120
		4.7	7.86	-9.10	-13.94	1.24	-.40	4.78	.66	.49		.30	.30	.036
		9.4	7.86	-16.17	-52.07	.11	-.10	4.78	.66	1.84		.10	.10	.081
		14.1	7.85	-15.07	-26.55	-1.02	.21	4.78	.66	1.01		.26	.26	.055
		18.8	7.85	5.64	63.26	-2.16	.53	4.78	.66	2.12		.45	.45	.090
703- 705	137- 1	0.0	24.55	161.67	115.89	-.85	-1.26	5.04	1.68	4.54		.27	.27	.202
		4.7	24.54	91.46	128.69	.39	-1.22	5.04	1.68	3.61		.23	.23	.173
		9.4	24.53	25.15	71.23	1.66	-1.14	5.04	1.68	1.72		.33	.33	.113
		14.1	24.53	-36.41	-57.99	2.94	-1.05	5.04	1.68	1.56		.49	.49	.108
		18.8	24.54	-92.56	-259.67	4.23	-.95	5.04	1.68	6.29		.65	.65	.256
703- 501	200- 1	0.0	-6.53	239.67	-1422.32	-17.85	-1.30	11.55	-.17	-8.07		.97	.97	.263
		12.2	-6.44	82.73	479.42	-8.27	-.86	11.55	-.17	-2.72		.47	.47	.094
		24.4	-6.35	-17.63	1044.42	.41	-.51	11.55	-.17	-5.85		.07	.07	.193
		36.6	-6.30	-69.16	398.43	8.28	-.20	11.55	-.17	-2.26		.47	.47	.079
		48.8	-6.26	-80.23	-1347.59	15.46	.03	11.55	-.16	-7.55		.84	.84	.247
703- 603	307- 1	0.0	827.96	2051.06	-1920.29	20.77	3.22	95.78	11.71	3.57		.66	.66	.521
		6.6	826.58	2080.24	-3087.13	8.94	-2.39	95.78	11.69	4.73		.32	.32	.557
		13.2	825.20	1087.30	-3303.02	-1.80	-7.47	95.78	11.67	4.78		.28	.28	.558
		19.8	823.84	909.40	-2826.71	-11.63	-12.14	95.78	11.65	3.78		.54	.54	.525
		26.4	822.49	-222.10	-1544.99	-20.66	-16.42	95.78	11.64	1.98		.81	.81	.456
704- 705	127- 1	0.0	-16.71	5.20	155.31	4.51	-.67	1.67	-1.40	-5.20		.79	.79	.222
		4.7	-16.71	-22.99	-35.42	2.26	-.34	1.67	-1.40	-1.41		.41	.41	.102
		9.4	-16.71	-32.70	-99.46	.01	-.01	1.67	-1.40	-3.50		.03	.03	.168
		14.1	-16.71	-25.94	-36.80	-2.24	.32	1.67	-1.40	-1.47		.41	.41	.104
		18.8	-16.71	3.50	152.56	-4.49	.65	1.67	-1.40	-5.10		.79	.79	.219

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9 PAGE 62
DATE 08/27/76

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP A/D SECT'N	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z --KSI-------	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
704- 706	137- 1	0.0	26.09	-81.77	11.17	1.88	.28	-4.59	1.79	1.88		.31	.31	.122
		4.7	25.99	-53.25	-58.10	.59	.38	-4.59	1.79	1.96		.15	.15	.124
		9.4	26.09	-35.67	-54.96	-.69	.49	-4.59	1.79	1.53		.17	.17	.111
		14.1	26.08	-6.02	19.54	-1.96	.60	-4.59	1.79	.48		.33	.33	.078
		15.3	25.07	26.70	164.55	-3.20	.71	-4.59	1.79	3.82		.50	.50	.183
705- 706	137- 1	0.0	42.57	-85.69	-43.85	-2.27	.24	-1.30	2.92	2.20		.33	.33	.171
		4.7	42.56	-59.37	47.48	-.98	.34	-1.30	2.92	1.92		.16	.16	.162
		9.4	42.58	-46.97	66.41	.30	.45	-1.30	2.92	1.86		.09	.09	.160
		14.1	42.57	-18.52	13.85	1.56	.56	-1.30	2.92	.53		.24	.24	.116
		15.8	42.50	16.01	-109.30	2.81	.67	-1.30	2.92	2.52		.41	.41	.181
706- 803	200- 1	0.0	-460.32	-926.85	1045.74	10.57	7.66	.41	-12.10	-7.81		.69	.69	.842
		12.2	-460.19	-39.07	-135.58	5.57	4.45	.41	-12.10	-.79		.38	.38	.576
		24.4	-460.08	390.54	-601.93	.85	1.42	.41	-12.09	-4.02		.09	.09	.699
		36.6	-459.99	385.74	-403.76	-3.50	-1.45	.41	-12.09	-3.12		.20	.20	.656
		48.8	-459.89	-25.94	405.49	-7.46	-4.19	.41	-12.09	-2.26		.45	.45	.635
705- 806	JL7- 1	0.0	-1339.84	-2185.66	1724.48	5.42	-13.25	291.31	-18.95	-3.54		.59	.59	.790
		6.6	-1341.19	-2624.00	1299.88	5.42	-3.14	291.31	-18.97	-3.95		.36	.36	.802
		13.2	-1342.54	-2711.31	871.26	5.42	5.82	291.31	-18.99	-3.62		.41	.41	.793
		19.8	-1343.90	-1927.85	442.67	5.42	13.84	291.31	-19.01	-2.51		.61	.61	.763
		26.4	-1345.24	-544.31	14.07	5.42	21.02	291.31	-19.03	-.69		.80	.80	.714
710- 810	P2- 1	0.0	-1355.67	1620.38	1001.25	9.73	4.36	-879.36	-5.39	-.79		.27	.27	.220
		6.6	-1360.50	1995.31	231.80	9.73	5.16	-879.36	-5.41	-.84		.27	.27	.222
		13.2	-1365.32	2439.69	-537.65	9.73	5.99	-879.36	-5.43	-1.04		.27	.27	.228
		19.8	-1370.15	2945.09	-1307.10	9.73	6.79	-879.36	-5.45	-1.34		.28	.28	.237
		26.4	-1374.96	3513.94	-2076.55	9.73	7.60	-879.36	-5.47	-1.70		.28	.28	.246
711- 811	P2- 1	0.0	-1372.76	4195.91	-1710.40	-10.94	-.02	331.99	-5.46	-1.89		.16	.16	.252
		6.6	-1377.61	4225.21	-845.16	-10.94	.79	331.99	-5.48	-1.80		.16	.16	.251
		13.2	-1382.44	4320.15	20.08	-10.94	1.59	331.99	-5.50	-1.80		.16	.16	.251
		19.8	-1387.27	4477.74	885.32	-10.94	2.40	331.99	-5.52	-1.90		.16	.16	.255
		26.4	-1392.10	4696.95	1750.56	-10.94	3.20	331.99	-5.54	-2.09		.16	.16	.261
712- 812	P2- 1	0.0	2244.75	-5186.47	-253.34	-.52	-10.02	490.84	8.95	2.16		.18	.18	.380
		6.6	2243.72	-5946.99	-211.90	-.52	-9.22	490.84	8.93	2.48		.18	.18	.389
		13.2	2239.09	-6643.90	-170.46	-.52	-8.41	490.84	8.91	2.77		.17	.17	.398
		19.8	2234.26	-7277.22	-129.02	-.52	-7.61	490.84	8.89	3.03		.16	.16	.405
		26.4	2229.43	-7846.94	-87.58	-.52	-6.80	490.84	8.87	3.27		.16	.16	.412
801- 802	165- 1	0.0	-54.12	80.65	16.86	3.10	-.67	27.30	-3.71	-2.06		.75	.75	.280
		5.6	-54.12	43.74	-123.89	1.07	-.66	27.30	-3.71	-3.00		.48	.48	.299
		11.3	-54.12	-.01	-127.82	-.95	-.64	27.30	-3.71	-2.92		.47	.47	.295
		16.9	-54.12	-42.62	5.05	-2.98	-.62	27.30	-3.71	-.98		.73	.73	.245
		22.5	-54.12	-84.09	274.73	-5.01	-.61	27.30	-3.71	-6.56		1.00	1.00	.400

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
801- 804	186- 1	0.0	54.67	188.23	-108.14	.73	-1.11	2.22	3.75	4.95		.21	.21	.287
		5.6	54.66	114.19	-122.59	-.30	-1.08	2.22	3.75	3.82		.18	.18	.252
		11.3	54.65	42.24	-67.25	-1.34	-1.05	2.22	3.75	1.81		.26	.26	.188
		16.9	54.64	-26.55	57.80	-2.37	-.99	2.22	3.75	1.45		.38	.36	.176
		22.5	54.63	-91.57	252.74	-3.40	-.93	2.22	3.75	6.13		.51	.51	.325
801- 901	JL5- 1	0.0	572.75	251.09	1399.85	-8.37	8.55	261.80	8.10	1.80		.50	.50	.339
		6.9	571.36	762.98	1727.08	.29	4.45	261.80	8.08	2.40		.29	.29	.357
		13.7	569.95	970.08	1370.29	6.31	.63	261.80	8.06	2.13		.40	.40	.348
		20.5	568.54	873.42	376.91	15.00	-2.95	261.80	8.04	1.21		.62	.62	.318
		27.4	567.15	489.93	-1212.40	22.83	-6.37	261.80	8.02	1.66		.84	.84	.332
801- 905	200- 1	0.0	9.88	98.82	1227.19	13.95	-.62	36.88	.26	6.89		.84	.84	.227
		14.0	9.95	21.00	-469.92	6.40	-.31	36.88	.26	2.63		.44	.44	.092
		28.0	10.07	-10.78	-954.41	-.55	-.08	36.88	.26	5.34		.13	.13	.178
		41.9	10.14	-8.21	-310.30	-7.06	.10	36.88	.27	1.74		.47	.47	.064
		55.9	10.23	19.95	1391.40	-13.15	.22	36.88	.27	7.79		.79	.79	.256
802- 803	156- 1	0.0	-54.33	-79.45	269.21	4.98	.56	-35.18	-3.73	-6.41		1.09	1.09	.396
		5.6	-54.33	-41.09	1.03	2.96	.58	-35.18	-3.73	-.94		.81	.81	.244
		11.3	-54.33	-1.59	-130.33	.93	.59	-35.18	-3.73	-2.97		.55	.55	.297
		16.9	-54.33	39.06	-124.88	-1.09	.61	-35.18	-3.73	-2.99		.57	.57	.299
		22.5	-54.33	80.64	17.37	-3.12	.63	-35.18	-3.73	-1.89		.84	.84	.275
802- 804	148- 1	0.0	6.69	33.13	-89.07	-1.94	-.58	-8.85	.56	3.18		.49	.49	.120
		5.6	6.69	1.45	11.13	-1.03	-.35	-8.85	.56	.38		.33	.33	.031
		11.3	6.68	-14.07	50.01	-.12	-.11	-8.85	.56	1.74		.18	.18	.075
		16.9	6.68	-12.47	27.58	.79	.15	-8.85	.56	1.01		.28	.28	.052
		22.5	6.68	7.19	-56.10	1.69	.43	-8.85	.56	1.89		.44	.44	.079
802- 805	146- 1	0.0	7.09	27.56	94.59	1.94	-.56	10.99	.60	3.29		.52	.52	.125
		5.6	7.08	-3.95	-6.07	1.04	-.35	10.99	.59	.24		.37	.37	.028
		11.3	7.08	-19.30	-45.41	.13	-.10	10.99	.59	1.65		.21	.21	.073
		16.9	7.07	-17.54	-23.43	-.78	.16	10.99	.59	.96		.32	.32	.052
		22.5	7.07	2.29	59.86	-1.69	.43	10.99	.59	2.00		.48	.48	.084
803- 805	166- 1	0.0	-18.72	190.93	109.96	-.79	-1.07	.90	-1.28	-5.03		.19	.19	.235
		5.6	-18.73	119.15	128.75	.24	-1.05	.90	-1.28	-4.00		.16	.16	.200
		11.3	-18.74	49.46	77.76	1.27	-1.01	.90	-1.29	-2.10		.23	.23	.140
		16.9	-18.75	-17.19	-43.01	2.30	-.96	.90	-1.29	-1.06		.35	.35	.107
		22.5	-18.76	-79.65	-233.55	3.34	-.89	.90	-1.29	-5.63		.48	.48	.252
803- 903	JL6- 1	0.0	358.27	997.45	-2082.31	1.28	2.29	-8.14	5.07	2.94		.08	.08	.269
		6.8	356.87	1015.68	-1827.60	-7.58	-1.80	-8.14	5.05	2.66		.22	.22	.260
		13.7	355.47	709.12	-865.86	-15.40	-5.62	-8.14	5.03	1.45		.47	.47	.221
		20.5	354.06	98.80	685.48	-22.69	-9.20	-8.14	5.01	.88		.70	.70	.202
		27.4	352.66	-798.35	2857.74	-29.92	-12.62	-8.14	4.99	3.77		.92	.92	.293

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z	Y SHEAR STRESS	Z SHEAR STRESS ------KSI------/	COMB. UNITY CHECK
803- 906	200- 1	0.0	420.80	1153.25	-227.81	-5.50	-8.37	-28.18	11.06	6.58		.61	.61	.593
		14.0	420.84	65.08	396.38	-1.99	-4.64	-28.18	11.06	2.25		.34	.34	.456
		28.0	420.90	-416.55	455.57	1.23	-1.16	-28.18	11.06	3.45		.17	.17	.494
		41.9	420.96	-344.05	2.20	4.12	1.96	-28.18	11.07	1.93		.32	.32	.446
		55.9	421.04	215.81	-908.27	6.68	4.64	-28.18	11.07	5.22		.51	.51	.551
804- 805	140- 1	0.0	-13.89	-2.64	147.15	3.67	-.55	-2.56	-1.17	-4.92		.67	.67	.206
		5.6	-13.89	-30.54	-37.46	1.01	-.27	-2.56	-1.17	-1.63		.35	.35	.101
		11.3	-13.89	-39.45	-97.35	-.05	.01	-2.56	-1.17	-3.51		.05	.05	.161
		16.9	-13.89	-29.30	-31.31	-1.91	.29	-2.56	-1.17	-1.43		.37	.37	.095
		22.5	-13.89	-.15	160.24	-3.76	.57	-2.56	-1.17	-5.36		.68	.68	.220
804- 806	160- 1	0.0	69.56	-76.78	49.41	1.62	.06	2.96	4.77	2.08		.28	.28	.232
		5.6	69.55	-70.51	-39.01	.69	.13	2.96	4.77	1.84		.14	.14	.224
		11.3	69.55	-59.31	-58.50	-.22	.20	2.96	4.77	1.90		.07	.07	.226
		16.9	69.55	-43.16	-9.66	-1.22	.28	2.96	4.77	1.01		.21	.21	.196
		22.5	69.56	-22.07	106.02	-2.21	.35	2.96	4.77	2.47		.34	.34	.244
805- 806	160- 1	0.0	-3.56	-71.33	-13.45	-1.54	.11	5.86	-.24	-1.66		.28	.28	.066
		5.6	-3.57	-61.39	55.77	-.51	.18	5.86	-.25	-1.89		.14	.14	.074
		11.3	-3.57	-46.52	56.07	.50	.26	5.86	-.25	-1.66		.14	.14	.067
		16.9	-3.57	-26.70	-11.74	1.50	.33	5.86	-.24	-.67		.28	.28	.035
		22.5	-3.55	-1.95	-146.83	2.49	.40	5.86	-.24	-3.35		.41	.41	.120
806- 901	200- 1	0.0	-429.01	-972.51	-869.67	-7.60	6.02	-1.82	-11.28	-7.30		.52	.52	.847
		14.0	-428.97	-152.30	121.32	-4.03	3.74	-1.82	-11.28	-1.09		.29	.29	.591
		28.0	-428.93	278.58	467.17	-.36	1.41	-1.82	-11.27	-3.14		.08	.08	.675
		41.9	-428.83	327.49	254.54	3.10	-.80	-1.82	-11.27	-2.32		.17	.17	.641
		55.9	-428.74	9.08	-540.87	6.34	-2.99	-1.82	-11.27	-3.03		.37	.37	.670
808- 908	308- 1	0.0	-863.36	-1047.96	627.32	7.33	-9.70	-226.32	-12.50	-1.55		.49	.49	.500
		6.9	-864.76	-1569.96	25.25	7.33	-3.07	-226.32	-12.52	-2.00		.37	.37	.512
		13.7	-866.16	-1571.46	-576.82	7.33	2.92	-226.32	-12.54	-2.13		.37	.37	.517
		20.5	-867.56	-1196.89	-1178.89	7.33	8.31	-226.32	-12.56	-2.06		.46	.46	.516
		27.4	-869.02	-221.11	-1780.95	7.33	13.18	-226.32	-12.58	-2.28		.57	.57	.523
810- 910	P2- 1	0.0	-1375.11	3517.46	-2077.95	9.93	-23.51	531.13	-5.47	-1.70		.31	.31	.248
		6.8	-1380.13	1621.57	-2893.18	9.93	-22.67	531.13	-5.49	-1.38		.31	.31	.240
		13.7	-1385.15	-235.64	-3708.41	9.93	-21.83	531.13	-5.51	-1.55		.30	.30	.245
		20.5	-1390.16	-1964.17	-4523.64	9.93	-21.00	531.13	-5.53	-2.06		.30	.30	.260
		27.4	-1395.17	-3654.02	-5338.87	9.93	-20.16	531.13	-5.55	-2.70		.29	.29	.279
811- 911	P2- 1	0.0	-1392.26	4701.47	1746.28	-11.12	-39.32	-94.96	-5.54	-2.09		.34	.34	.261
		6.8	-1397.29	1507.11	2659.10	-11.12	-38.48	-94.96	-5.56	-1.27		.34	.34	.240
		13.7	-1402.31	-1616.56	3571.91	-11.12	-37.64	-94.96	-5.58	-1.63		.33	.33	.250
		20.5	-1407.32	-4675.59	4484.72	-11.12	-36.81	-94.96	-5.60	-2.70		.33	.33	.280
		27.4	-1412.34	-7663.92	5397.54	-11.12	-35.97	-94.96	-5.62	-3.91		.32	.32	.319

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
812- 912	P2- 1	0.0	2229.73	-7646.94	-83.53	-.52	53.53	-345.56	8.87	3.27		.50	.50	.412
		6.9	2224.72	-3416.81	-40.50	-.52	54.37	-345.56	8.85	1.42		.50	.50	.353
		13.7	2219.70	1081.95	2.54	-.52	55.20	-345.56	8.83	.45		.51	.51	.322
		20.5	2214.69	5649.36	45.57	-.52	56.04	-345.56	8.81	2.35		.52	.52	.381
		27.4	2209.67	10285.40	88.61	-.52	56.87	-345.56	8.79	4.29		.52	.52	.442
901- 902	169- 1	0.0	23.45	99.43	-6.30	2.86	-.73	33.62	1.11	1.44		.52	.52	.084
		6.5	23.45	45.52	-159.22	.95	-.65	33.62	1.11	2.40		.35	.35	.114
		13.2	23.45	-1.07	-158.43	-.97	-.54	33.62	1.11	2.29		.35	.35	.111
		19.5	23.45	-40.35	-5.95	-2.88	-.45	33.62	1.11	.59		.52	.52	.057
		26.4	23.45	-72.27	298.24	-4.80	-.36	33.62	1.11	4.44		.70	.70	.179
901- 904	169- 1	0.0	136.36	224.10	-141.06	.56	-1.10	1.87	6.43	3.89		.13	.13	.347
		6.6	136.34	145.32	-146.90	-.42	-1.01	1.87	6.43	2.99		.12	.12	.316
		13.2	136.33	66.66	-74.86	-1.40	-.92	1.87	6.43	1.47		.17	.17	.270
		19.8	136.33	-.28	75.70	-2.40	-.83	1.87	6.43	1.10		.25	.25	.258
		26.4	136.36	-62.09	305.43	-3.40	-.73	1.87	6.43	4.51		.34	.34	.367
901-1001	JL9- 1	0.0	67.56	1227.08	-1055.90	-14.97	.67	365.18	.96	2.04		.66	.66	.098
		6.8	66.15	1135.73	-80.00	-8.31	-2.83	365.18	.94	1.46		.48	.48	.079
		13.7	64.74	799.01	339.72	-1.99	-5.79	365.18	.92	1.10		.41	.41	.067
		20.5	63.34	201.05	263.29	3.67	-8.69	366.18	.90	.42		.50	.50	.045
		27.4	61.94	-593.55	-198.84	7.14	-10.42	366.18	.88	.80		.59	.59	.056
901-1002	163- 1	0.0	-.06	-4.71	269.28	5.38	.10	18.68	-.00	-2.41		.44	.44	.076
		9.5	-.13	4.62	-166.24	2.32	.07	18.68	-.00	-1.49		.24	.24	.047
		18.9	-.20	10.76	-263.79	-.56	.04	18.68	-.01	-2.36		.12	.12	.075
		28.4	-.30	11.00	-50.79	-3.09	-.02	18.68	-.01	-.47		.29	.29	.015
		37.8	-.41	9.63	382.83	-4.28	-.00	18.68	-.01	-3.43		.37	.37	.109
901-1004	160- 1	0.0	426.45	306.48	71.03	2.36	-3.90	20.80	14.13	2.83		.39	.39	.581
		9.5	426.36	-8.82	-120.44	1.03	-1.71	20.80	14.12	1.08		.23	.23	.526
		18.9	426.23	-86.29	-165.17	-.22	.32	20.80	14.12	1.67		.12	.12	.544
		28.4	426.09	54.04	-77.15	-1.28	2.08	20.80	14.11	.84		.25	.25	.518
		37.8	425.97	346.66	99.65	-1.71	2.88	20.80	14.11	3.23		.31	.31	.593
902- 903	169- 1	0.0	22.78	-72.69	277.65	4.65	.38	-32.10	1.07	4.15		.67	.67	.169
		6.6	22.78	-39.18	-13.44	2.72	.47	-32.10	1.07	.60		.49	.49	.056
		13.2	22.78	1.66	-152.81	.80	.56	-32.10	1.07	2.21		.32	.32	.107
		19.8	22.78	50.21	-140.47	-1.11	.66	-32.10	1.07	2.16		.35	.35	.106
		26.4	22.78	105.69	23.56	-3.03	.75	-32.10	1.07	1.57		.53	.53	.087
902- 904	149- 1	0.0	5.80	31.85	-82.05	-1.67	-.37	-10.21	.49	2.94		.46	.46	.110
		6.-	5.78	7.94	18.02	-.65	-.24	-10.21	.49	.66		.32	.32	.038
		13.2	5.77	-5.51	53.72	-.05	-.10	-10.21	.48	1.81		.19	.19	.074
		19.8	5.77	-8.50	26.18	.74	.03	-10.21	.48	.92		.30	.30	.046
		26.4	5.78	-1.05	-65.46	1.52	.16	-10.21	.49	2.12		.43	.43	.084

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z -----KSI-----	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
902- 905	149- 1	0.0	7.05	52.46	102.67	1.72	-.37	9.85	.59	3.60		.46	.46	.135
		6.6	7.03	5.51	-1.50	.90	-.24	9.85	.59	.29		.32	.32	.030
		13.2	7.03	-4.98	-40.88	.10	-.10	9.85	.59	1.38		.19	.19	.064
		19.8	7.03	-8.02	-17.23	-.69	.03	9.85	.59	.64		.28	.28	.041
		26.4	7.04	-.59	68.54	-1.47	.16	9.85	.59	2.29		.41	.41	.093
903- 905	189- 1	0.0	-160.90	226.92	107.33	-.98	-1.11	-.72	-7.59	-3.56		.14	.14	.630
		6.6	-152.92	144.95	146.53	-.00	-1.01	-.72	-7.59	-2.98		.10	.10	.534
		13.2	-160.93	68.30	107.86	.98	-.92	-.72	-7.59	-1.85		.13	.13	.533
		19.8	-160.92	-1.03	-9.32	1.98	-.83	-.72	-7.59	-.14		.21	.21	.473
		26.4	-160.90	-65.05	-205.57	2.98	-.74	-.72	-7.59	-3.11		.29	.29	.567
903-1002	150- 1	0.0	1.50	5.34	-550.95	-5.72	.07	-29.34	.04	2.96		.51	.51	.095
		9.5	1.25	11.26	143.47	-2.66	.04	-29.34	.04	1.29		.31	.31	.042
		18.9	1.16	15.99	279.91	.22	.01	-29.34	.04	2.51		.15	.15	.081
		28.4	1.06	11.65	105.81	2.74	-.05	-29.34	.04	.95		.31	.31	.031
		37.8	.95	6.05	-288.71	3.94	-.03	-29.34	.03	2.59		.39	.39	.083
903-1003	3L9- 1	0.0	70.41	-506.05	5098.42	21.31	5.50	-398.59	1.00	3.96		.88	.88	.160
		6.8	69.01	8.01	1624.46	14.64	2.21	-398.59	.98	2.07		.67	.67	.099
		13.7	67.59	58.66	684.67	6.33	-.95	-398.59	.96	.87		.49	.49	.061
		20.5	66.20	-141.69	241.05	2.66	-3.85	-398.59	.94	.36		.39	.39	.044
		27.4	64.80	-539.11	183.10	-.61	-5.58	-398.59	.92	.72		.41	.41	.055
903-1005	150- 1	0.0	426.13	472.91	.15	-2.02	-4.62	-57.83	14.12	4.23		.59	.59	.625
		9.5	426.03	74.30	153.76	-.69	-2.43	-57.83	14.11	1.53		.43	.43	.540
		18.9	425.90	-84.48	160.63	.55	-.40	-57.83	14.11	1.62		.30	.30	.543
		28.4	425.76	-25.45	34.75	1.01	1.36	-57.83	14.10	.39		.40	.40	.503
		37.8	425.65	165.87	-179.92	2.04	2.16	-57.83	14.10	2.32		.46	.46	.564
904- 905	149- 1	0.0	-12.89	-6.34	141.34	3.07	-.26	.19	-1.08	-4.73		.52	.52	.199
		6.6	-12.89	-21.67	-39.02	1.49	-.13	.19	-1.08	-1.50		.25	.25	.097
		13.2	-12.69	-26.95	-93.92	-.10	.00	.19	-1.08	-3.27		.02	.02	.153
		19.8	-12.89	-21.58	-23.36	-1.68	.13	.19	-1.08	-1.06		.29	.29	.083
		26.4	-12.89	-5.75	172.64	-3.27	.27	.19	-1.08	-5.78		.55	.55	.232
904- 906	189- 1	0.0	149.67	-50.76	100.62	2.05	-.31	-9.69	7.06	1.63		.26	.26	.297
		6.6	149.64	-71.78	-21.48	1.06	-.22	-9.69	7.06	1.08		.17	.17	.280
		13.2	149.62	-85.47	-67.52	.11	-.13	-9.69	7.06	1.58		.09	.09	.295
		19.8	149.62	-91.84	-38.64	-.83	-.03	-9.69	7.06	1.44		.15	.15	.291
		26.4	149.62	-90.88	64.01	-1.76	.06	-9.69	7.06	1.61		.24	.24	.296
905- 906	189- 1	0.0	-146.83	-51.76	35.51	-1.14	-.31	9.59	-6.92	-.91		.16	.16	.463
		6.6	-146.86	-72.71	87.45	-.17	-.22	9.59	-6.93	-1.65		.10	.10	.486
		13.2	-146.87	-86.54	63.31	.78	-.13	9.59	-6.93	-1.55		.14	.14	.488
		19.8	-146.88	-92.05	-55.74	1.72	-.03	9.59	-6.93	-1.44		.23	.23	.489
		26.4	-146.88	-91.65	-208.56	2.64	.06	9.59	-6.93	-3.30		.32	.32	.534

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									/----------	----------	KSI	----------	----------/	
905-1004	160- 1	0.0	-424.99	-411.29	-209.63	-3.01	3.45	21.03	-14.08	-4.13		.40	.40	.794
		9.5	-425.04	-104.65	37.81	-1.36	1.95	21.03	-14.08	-1.00		.25	.25	.671
		18.9	-425.10	32.70	103.50	.18	.49	21.03	-14.08	-.97		.13	.13	.670
		28.4	-425.20	13.32	2.11	1.54	-.78	21.03	-14.08	-.12		.21	.21	.637
		37.8	-425.28	-112.18	-213.87	2.10	-1.28	21.03	-14.09	-2.16		.26	.26	.717
905-1005	160- 1	0.0	-428.25	-247.73	278.91	3.23	2.74	4.03	-14.19	-3.34		.30	.30	.768
		9.5	-428.34	-21.00	7.59	1.57	1.24	4.03	-14.19	-.21		.15	.15	.645
		18.9	-428.39	33.25	-61.97	.03	-.22	4.03	-14.19	-.80		.03	.03	.668
		28.4	-428.49	-64.65	-4.46	-1.33	-1.48	4.03	-14.19	-.58		.15	.15	.660
		37.8	-428.55	-270.63	167.64	-1.09	-1.99	4.03	-14.20	-2.95		.20	.20	.753
905-1006	JLY- 1	0.0	-107.20	-694.67	-2088.81	-6.49	-2.13	102.98	-1.52	-2.80		.26	.26	.144
		6.8	-108.63	-686.37	-1555.92	-6.49	2.27	102.98	-1.54	-2.16		.26	.26	.125
		13.7	-110.04	-335.09	-1023.04	-6.49	6.18	102.98	-1.56	-1.37		.32	.32	.100
		20.5	-111.45	307.34	-490.15	-6.49	9.23	102.98	-1.58	-.74		.38	.38	.081
		27.4	-112.86	1102.17	42.74	-6.49	9.56	102.98	-1.60	-1.40		.39	.39	.103
910-1010	PS- 1	0.0	-1394.65	-3655.61	-5540.86	10.28	103.27	997.19	-4.72	-2.33		.88	.88	.236
		6.8	-1400.54	4666.59	-6184.84	10.28	104.25	997.19	-4.74	-2.84		.89	.89	.255
		13.7	-1406.44	13467.78	-7028.82	10.28	105.23	997.19	-4.76	-5.48		.90	.90	.339
		20.5	-1412.34	22149.75	-7872.79	10.28	106.22	997.19	-4.78	-8.48		.90	.90	.435
		27.4	-1418.24	30912.51	-8716.77	10.28	107.20	997.19	-4.80	-11.58		.91	.91	.533
911-1011	PS- 1	0.0	-1411.68	-7655.52	5401.28	-11.55	116.81	-967.97	-4.77	-3.38		.97	.97	.273
		6.8	-1417.58	1959.06	6349.66	-11.55	117.79	-967.97	-4.79	-2.40		.98	.98	.243
		13.7	-1423.48	11682.44	7298.06	-11.55	118.78	-967.97	-4.81	-4.97		.98	.98	.325
		20.5	-1429.38	21476.60	8246.48	-11.55	119.76	-967.97	-4.83	-8.30		.99	.99	.431
		27.4	-1435.28	31351.55	9194.88	-11.55	120.74	-967.97	-4.85	-11.78		1.00	1.00	.542
912-1012	PS- 1	0.0	2204.59	10285.40	77.20	-.52	-205.35	242.10	7.46	3.71		1.43	1.43	.377
		6.8	2198.69	-6537.36	120.24	-.52	-204.37	242.10	7.44	2.36		1.43	1.43	.333
		13.7	2192.79	-23279.38	163.27	-.52	-203.39	242.10	7.42	8.39		1.42	1.42	.524
		20.5	2186.89	-39940.65	206.30	-.52	-202.40	242.10	7.40	14.40		1.41	1.41	.713
		27.4	2180.99	-56521.19	249.34	-.52	-201.42	242.10	7.38	20.38		1.41	1.41	.902
1001-1002	200- 1	0.0	-219.78	119.28	-259.65	-.32	-.23	-27.78	-5.78	-1.60		.10	.10	.341
		7.6	-219.78	94.74	-212.99	-.70	-.31	-27.78	-5.78	-1.30		.12	.12	.332
		15.2	-219.78	65.32	-151.87	-1.08	-.38	-27.78	-5.78	-.82		.14	.14	.318
		22.7	-219.78	25.01	-16.30	-1.46	-.46	-27.78	-5.78	-.17		.16	.16	.299
		30.3	-219.78	-20.19	133.72	-1.64	-.53	-27.78	-5.78	-.76		.18	.18	.315
1001-1004	200- 1	0.0	-207.87	490.35	-421.81	-1.30	-1.50	-83.80	-5.46	-3.62		.34	.34	.391
		7.6	-207.88	350.02	-295.65	-1.47	-1.57	-83.80	-5.46	-2.57		.35	.35	.358
		15.2	-207.89	204.41	-154.10	-1.64	-1.65	-83.80	-5.46	-1.43		.36	.36	.323
		22.7	-207.90	51.10	2.80	-1.81	-1.72	-83.80	-5.46	-.29		.37	.37	.287
		30.3	-207.89	-109.10	173.35	-1.94	-1.80	-83.80	-5.46	-1.15		.37	.37	.312

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NUMBER	GROUP AND SECTN.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	-220.59	-41.26	211.43	2.45	.62	122.08	-5.80	-1.21		.47	.47	.329
		7.6	-220.59	11.97	6.60	2.07	.55	122.08	-5.80	-.07		.45	.45	.297
		15.2	-220.59	58.31	-164.99	1.69	.47	122.08	-5.80	-.98		.43	.43	.323
		22.7	-220.59	97.76	-301.55	1.31	.40	122.08	-5.80	-1.77		.41	.41	.346
		30.3	-220.59	130.32	-403.61	.93	.32	122.08	-5.80	-2.37		.39	.39	.363
1002-1004	140- 1	0.0	7.24	159.22	9.46	-.05	-.71	-32.03	.45	3.18		.39	.39	.116
		7.6	7.26	99.01	8.67	.06	-.82	-32.03	.45	1.88		.40	.40	.075
		15.2	7.29	20.75	-1.14	.16	-.92	-32.03	.45	.39		.42	.42	.028
		22.7	7.32	-67.96	-20.53	.26	-1.03	-32.03	.46	1.33		.43	.43	.058
		30.3	7.30	-166.31	-48.34	.34	-1.13	-32.03	.46	3.25		.45	.45	.119
1002-1005	140- 1	0.0	7.15	213.96	-13.76	-.00	-.86	23.57	.45	4.03		.33	.33	.143
		7.6	7.18	131.01	-5.67	-.11	-.97	23.57	.45	2.47		.34	.34	.094
		15.2	7.21	38.42	5.85	-.21	-1.07	23.57	.45	.73		.36	.36	.039
		22.7	7.23	-63.82	29.76	-.31	-1.18	23.57	.45	1.32		.37	.37	.058
		30.3	7.22	-175.70	62.09	-.39	-1.28	23.57	.45	3.50		.39	.39	.126
1003-1005	200- 1	0.0	-222.87	490.07	527.47	1.58	-2.08	48.52	-5.86	-4.03		.27	.27	.423
		7.6	-222.88	297.62	376.55	1.75	-2.15	48.52	-5.86	-2.68		.28	.28	.380
		15.2	-222.89	98.28	209.80	1.92	-2.23	48.52	-5.86	-1.30		.29	.29	.336
		22.7	-222.90	-107.96	27.95	2.08	-2.31	48.52	-5.86	-.62		.30	.30	.319
		30.3	-222.89	-321.09	-167.60	2.21	-2.38	48.52	-5.86	-2.03		.31	.31	.365
1004-1005	140- 1	0.0	-13.86	-25.78	25.16	.24	.07	8.02	-.86	-.66		.11	.11	.058
		7.6	-13.86	-22.39	11.29	.09	-.04	8.02	-.86	-.47		.09	.09	.052
		15.1	-13.86	-30.65	10.18	-.06	-.14	8.02	-.86	-.61		.09	.09	.057
		22.7	-13.86	-46.52	22.85	-.22	-.25	8.02	-.86	-1.01		.12	.12	.069
		30.3	-13.86	-76.04	49.29	-.37	-.36	8.02	-.86	-1.70		.14	.14	.091
1004-1006	200- 1	0.0	400.37	302.01	-10.99	-.12	-2.30	-25.77	10.52	1.69		.19	.19	.420
		7.6	400.37	89.12	4.54	-.21	-2.38	-25.77	10.52	.50		.20	.20	.382
		15.1	400.35	-130.65	26.80	-.27	-2.46	-25.77	10.52	.75		.20	.20	.390
		22.7	400.34	-357.31	52.06	-.28	-2.53	-25.77	10.52	2.02		.21	.21	.430
		30.3	400.34	-590.85	77.54	-.28	-2.61	-25.77	10.52	3.33		.21	.21	.472
1005-1006	200- 1	0.0	367.50	108.54	-12.45	.19	-1.74	-23.05	10.19	.61		.16	.16	.374
		7.6	367.51	-52.97	-35.80	.28	-1.81	-23.05	10.19	.35		.16	.16	.366
		15.1	367.48	-221.30	-61.89	.33	-1.89	-23.05	10.19	1.29		.17	.17	.395
		22.7	367.47	-396.65	-92.97	.34	-1.97	-23.05	10.19	2.28		.17	.17	.427
		30.3	367.47	-578.60	-124.27	.34	-2.04	-23.05	10.19	3.31		.17	.17	.459

S T R A N   G R O U P   S U M M A R Y   R E P O R T

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MRL 93.0 FEET - 50 YR STORM

MEMBER GROUP I D	FIRST MEMBER NO.	FIRST MAX. U. CK	FIRST LD. CN.	SECOND MEMBER NO.	SECOND MAX. U. CK	SECOND LD. CN.	THIRD MEMBER NO.	THIRD MAX. U. CK	THIRD LD. CN.	TOTAL	WITH UNITY CK GT 1.33	WITH UNITY CK GT 1.00	WITH UNITY CK LT .50
W1B	201- 204	.70	7	201- 202	.59	7	204- 206	.52	8	10	0	0	6
[illegible]	306- 406	1.01	7	303- 403	.79	8	206- 306	.73	7	9	0	1	3
W0B	202- 204	.07	7	102- 104	.07	7	204- 205	.06	8	6	0	0	6
120	206- 301	.64	8	201- 303	.63	7	203- 306	.49	9	3	0	0	1
W21	203- 205	.65	7	205- 206	.59	8				2	0	0	0
123	301- 306	.75	7	301- 303	.64	6	303- 306	.59	7	3	0	0	0
JL4	406- 506	.66	7	403- 503	.82	8	401- 501	.73	9	3	0	0	0
P1	406- 512	.69	7	512- 712	.58	7	511- 711	.47	8	6	0	0	4
105	504- 506	.75	7	501- 504	.73	9	503- 505	.57	8	6	0	0	2
JL5	506- 606	.70	7	503- 603	.67	8	501- 601	.67	7	3	0	0	0
200	803- 906	.88	6	503- 645	.66	8	506- 644	.85	7	12	0	0	1
125	502- 505	.21	6	504- 505	.20	9	502- 504	.12	8	3	0	0	3
JL6	606- 646	.61	7	656- 706	.54	7	646- 656	.54	7	9	0	0	4
137	701- 702	.44	8	702- 703	.40	8	701- 704	.36	6	6	0	0	6
JL7	705- 806	.82	7	703- 803	.75	8	701- 801	.41	9	3	0	0	1
127	704- 705	.22	9	702- 705	.21	6	702- 704	.14	7	3	0	0	3
P2	812- 912	.51	7	712- 812	.48	7	811- 911	.45	8	6	0	0	5
108	801- 804	.47	6	804- 806	.44	7	801- 802	.40	9	6	0	0	6
JL8	806- 906	.53	7	803- 903	.44	6	601- 901	.36	9	3	0	0	2
148	804- 805	.22	9	802- 805	.22	6	802- 804	.12	9	3	0	0	3
109	903- 905	.66	6	904- 906	.58	7	905- 906	.53	9	6	0	0	2
JL9	903-1003	.17	8	906-1006	.14	9	901-1001	.10	6	3	0	0	3
100	903-1005	.91	6	906-1005	.83	8	906-1004	.79	9	6	0	0	1
149	902- 905	.24	6	904- 905	.23	9	902- 904	.11	9	3	0	0	3
P3	912-1012	.99	7	911-1011	.65	8	910-1010	.53	9	3	0	0	0
200	1004-1006	.67	7	1005-1006	.65	7	1003-1005	.60	8	6	0	0	2
140	1002-1005	.16	7	1002-1004	.15	6	1004-1005	.11	8	3	0	0	3
TOTAL MEMBERS										135	0	1	70

STRAN UNITY CHECK SUMMARY REPORT

U.S. NAVY - ACHR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

THREE HIGHEST UNITY CHECKS G.T. 1.00

MEMBER NUMBER	MEMBER GROUP ID	FIRST HIGHEST UNITY CHECK	FIRST HIGHEST LD. CN.	SECOND HIGHEST UNITY CHECK	SECOND HIGHEST LD. CN.	THIRD HIGHEST UNITY CHECK	THIRD HIGHEST LD. CN.
306- 406	UAL	1.01	7	.86	9	.81	6

STRAN MEMBER STRESS REPORT NO. 1

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
101-102	A10-01	.440	.010	.127	.304	7	0.0	-3.72	.01	357.07	93.47	.428	8	.428	6
101-104	A10-01	.438	.018	.153	.267	8	0.0	-6.75	-.01	431.92	-82.17	.416	6	.408	7
101-201	DKL-01	.074	.010	.018	.046	9	15.0	-24.22	-120.68	694.11	-1090.07	.069	8	.039	6
102-103	A10-01	.363	.009	.149	.205	7	14.5	-3.57	-.02	419.90	63.14	.323	9	.276	8
102-104	A05-01	.070	.006	.004	.061	7	14.5	-.06	-.00	-2.57	9.75	.055	6	.049	9
102-105	A05-01	.041	.006	.015	.020	8	10.9	1.19	-.00	-9.57	3.25	.040	7	.034	6
103-105	A10-01	.302	.008	.176	.176	7	0.0	-2.96	-.01	495.18	-54.96	.294	9	.266	6
103-203	DKL-01	.069	.009	.031	.049	9	15.0	-23.22	97.63	1004.15	1264.26	.088	8	.047	7
104-105	A05-01	.049	.007	.004	.037	7	0.0	1.48	.01	2.49	-5.96	.044	8	.043	9
104-106	A10-01	.279	.016	.120	.142	8	14.5	-6.20	.04	337.98	-43.88	.269	6	.190	7
105-106	A10-01	.300	.018	.176	.106	8	14.5	-6.90	.02	495.20	-32.68	.262	9	.181	6
106-206	DKL-01	.132	.007	.109	.017	7	15.0	-16.97	14.01	-2354.58	921.90	.111	6	.079	9
201-202	A10-01	.585	.003	.199	.324	7	0.0	29.50	.05	559.44	99.87	.562	6	.551	8
201-204	A10-01	.702	.103	.236	.302	7	0.0	-75.62	-.01	665.65	93.06	.664	6	.565	8
201-301	DKL-01	.626	.027	.591	.008	7	15.0	-68.45	-110.76	12024.31	-1357.06	.562	9	.470	6
201-303	120-01	.633	.006	.121	.507	7	32.6	4.80	3.58	697.16	-1428.37	.589	6	.261	8
202-203	A10-01	.512	.003	.219	.229	7	14.5	29.51	-.05	616.53	70.68	.445	9	.409	6
202-204	A05-01	.074	.008	.004	.063	7	14.5	-.86	-.00	-2.59	10.08	.058	6	.051	9
202-205	A05-01	.055	.007	.007	.041	7	14.5	-.78	-.00	4.46	-6.57	.052	8	.047	6
203-205	A21-01	.649	.064	.368	.217	7	0.0	39.60	-.03	1750.43	-106.25	.524	6	.470	9
203-303	DKL-01	.614	.053	.560	.001	8	15.0	-133.66	389.45	-11314.11	-359.93	.609	7	.581	9
203-306	120-01	.492	.154	.186	.152	9	32.6	125.24	20.90	635.64	-574.18	.460	7	.412	8
204-205	A05-01	.063	.010	.005	.048	8	14.5	-1.13	-.00	3.34	7.65	.048	7	.044	6
204-206	A10-01	.518	.116	.223	.178	8	14.5	54.06	.05	628.91	-54.92	.449	6	.401	7
205-206	A21-01	.595	.084	.358	.153	8	14.5	-44.32	.01	1706.56	-74.65	.469	9	.375	6
205-301	120-01	.636	.217	.121	.298	8	32.6	-113.99	-25.56	582.73	-879.65	.508	9	.486	7
206-306	DKL-01	.728	.056	.663	.009	7	15.0	-141.17	334.07	13490.79	-1551.35	.682	9	.610	8
301-303	125-01	.637	.113	.013	.511	6	29.0	-49.35	10.70	145.42	-927.06	.616	8	.565	7
301-306	125-01	.755	.251	.269	.234	7	29.0	-109.36	-9.93	684.62	-636.53	.750	6	.665	8
301-401	DKL-01	.697	.015	.657	.015	7	26.5	-35.40	-1099.83	-13628.84	2051.99	.695	9	.507	6
303-306	125-01	.590	.115	.235	.241	7	29.0	63.46	-20.29	598.72	606.08	.570	8	.531	9
303-403	DKL-01	.790	.058	.728	.003	8	26.5	-130.76	-835.18	14747.78	1011.46	.702	6	.694	9
306-406	DKL-01	1.008	.091	.904	.014	7	26.5	-216.66	501.75	-18394.69	2281.16	.856	9	.811	6
401-501	JL4-01	.730	.295	.034	.402	9	4.6	1211.08	-520.38	-6099.77	-21037.42	.724	7	.531	8
401-510	P1-01	.323	.210	.073	.041	9	0.0	-1336.40	-701.26	-6124.30	4583.40	.285	7	.202	6
403-503	JL4-01	.815	.459	.111	.246	8	4.6	1683.77	710.69	-10013.77	14905.93	.767	6	.765	9
403-511	P1-01	.472	.340	.130	.002	8	4.6	-2164.35	694.85	-8826.20	970.15	.429	6	.346	9
406-506	JL4-01	.859	.570	.277	.012	7	4.6	2341.46	298.93	-14231.65	2975.04	.819	9	.725	6
406-512	P1-01	.604	.406	.198	.000	7	0.0	-2578.17	373.66	-13406.01	-196.24	.545	9	.508	6
501-502	165-01	.375	.204	.019	.151	9	15.1	-177.17	228.27	-202.57	565.75	.347	6	.325	7
501-504	165-01	.732	.335	.325	.072	9	0.0	290.41	103.33	1268.78	-597.17	.720	7	.647	8
501-601	JL5-01	.674	.253	.058	.363	7	0.0	-1039.72	209.83	6325.32	20185.75	.672	9	.519	8
501-602	200-01	.487	.242	.105	.140	6	0.0	264.66	-205.95	905.90	-1046.46	.447	8	.312	9
502-503	165-01	.361	.230	.021	.110	9	0.0	-181.04	-176.11	-211.03	481.45	.300	7	.193	8
502-504	125-01	.120	.014	.053	.054	8	0.0	-6.91	-100.75	134.24	135.62	.114	6	.113	9
502-505	125-01	.215	.054	.064	.097	6	0.0	-26.95	-55.39	-182.59	-273.55	.210	8	.148	7
503-505	165-01	.573	.233	.333	.007	8	0.0	-201.90	-27.40	1189.06	-172.06	.508	9	.472	6
503-603	JL5-01	.674	.359	.088	.227	8	0.0	1475.24	391.07	-8356.87	13430.28	.644	6	.622	7

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   1

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MHL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	/-------- CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS -------/	/-NEXT TWO HIGH CASES-/ COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503- 645	200-01	.855	.533	.322	.001	8	0.0	562.04	11.11	1822.50	117.91	.810	9	.795	7
504- 505	125-01	.196	.052	.042	.102	9	15.1	-26.00	-1.05	-139.35	217.53	.193	7	.136	6
504- 506	165-01	.752	.389	.355	.007	7	15.1	-337.34	74.21	1267.36	180.76	.653	9	.614	6
505- 506	165-01	.544	.176	.314	.054	6	15.1	152.77	-53.99	1199.35	495.22	.526	8	.490	7
506- 606	JL5-01	.701	.490	.198	.013	7	0.0	2011.58	426.60	-10275.58	2611.41	.680	9	.607	8
506- 644	200-01	.854	.515	.239	.100	7	0.0	562.51	90.50	1607.93	1036.73	.810	9	.688	6
510- 710	M1-01	.321	.211	.077	.033	9	0.0	-1359.21	-878.67	-6240.25	4073.52	.285	7	.195	6
511- 711	M1-01	.473	.358	.113	.002	8	0.0	-2164.07	599.53	-8819.22	1026.21	.429	6	.336	9
512- 712	M1-01	.583	.405	.177	.000	7	0.0	-2580.96	396.34	-11966.39	-189.77	.534	9	.490	6
601- 641	JL5-01	.505	.277	.024	.204	9	0.0	1136.98	-712.44	-3705.25	-10846.97	.590	7	.551	8
603- 643	JL5-01	.525	.355	.051	.119	8	0.0	1457.78	656.79	-4693.97	7155.57	.501	6	.432	9
606- 646	JL6-01	.608	.469	.113	.006	7	0.0	2009.20	431.17	-5856.65	1307.54	.589	9	.529	8
641- 651	JL5-01	.385	.276	.015	.089	9	0.0	1134.44	-712.44	-2197.22	-4905.49	.376	7	.197	8
642- 703	200-01	.511	.242	.021	.248	6	21.9	264.96	-206.03	419.14	-1457.45	.493	8	.256	7
643- 653	JL5-01	.409	.354	.017	.038	8	0.0	1455.23	666.79	-1514.65	2283.26	.392	6	.290	9
644- 701	200-01	.658	.548	.000	.109	9	21.9	-551.61	-65.70	-36.52	-675.86	.641	7	.546	8
645- 706	200-01	.685	.551	.002	.130	7	21.9	-554.15	116.03	-99.56	811.84	.654	9	.631	8
646- 656	JL6-01	.545	.489	.054	.000	7	0.0	2006.59	431.03	-2721.09	85.08	.522	9	.479	6
651- 701	JL5-01	.315	.209	.021	.096	9	0.0	1186.11	-1377.00	-1175.51	-612.95	.293	7	.130	8
653- 703	JL6-01	.443	.363	.021	.059	6	7.1	-1492.42	-672.58	-2035.93	3454.95	.441	8	.270	7
655- 706	JL6-01	.545	.487	.007	.049	7	7.1	2001.08	430.49	973.79	-2651.33	.525	9	.457	6
701- 702	137-01	.438	.226	.016	.196	8	18.8	-86.11	20.39	-86.24	317.53	.388	6	.382	9
701- 704	137-01	.364	.130	.014	.220	6	18.8	-36.03	-19.75	-80.03	-314.67	.305	8	.200	7
701- 801	JL7-01	.409	.290	.017	.101	9	13.2	588.34	-404.45	1129.69	2730.05	.376	7	.207	6
701- 806	200-01	.745	.549	.152	.044	7	0.0	-461.14	8.88	-816.37	-440.04	.633	9	.610	6
702- 703	137-01	.401	.263	.065	.053	8	18.8	-76.04	-23.87	149.34	127.72	.389	9	.324	7
702- 704	127-01	.135	.030	.000	.106	7	0.0	-8.05	6.56	1.03	100.34	.136	9	.030	8
702- 705	127-01	.211	.050	.000	.160	6	0.0	-14.71	-1.61	-.23	-151.66	.203	8	.123	7
703- 705	137-01	.270	.077	.017	.176	7	18.8	-22.65	13.81	-80.00	254.97	.258	9	.187	8
703- 801	200-01	.619	.310	.029	.280	6	0.0	-260.22	6.53	-530.47	1636.88	.554	8	.267	7
703- 803	JL7-01	.754	.598	.081	.075	8	6.6	1214.93	-288.09	2797.15	-2691.72	.752	6	.558	9
704- 705	127-01	.222	.057	.000	.164	9	0.0	-16.71	1.67	5.20	155.31	.219	7	.215	8
704- 706	127-01	.293	.168	.063	.061	6	18.8	-49.19	26.27	130.76	-135.30	.255	7	.230	8
705- 706	127-01	.287	.140	.107	.040	7	18.8	-40.96	-20.08	173.49	106.66	.262	6	.186	8
706- 803	200-01	.842	.548	.130	.164	9	0.0	-460.32	.41	-926.85	1003.74	.825	8	.716	7
706- 806	JL7-01	.821	.688	.114	.019	7	6.6	1396.82	-200.69	3058.38	-1248.12	.802	9	.667	6
710- 810	M2-01	.248	.201	.034	.012	9	26.4	-1374.98	-679.36	3513.94	-2070.55	.183	7	.090	8
711- 811	M2-01	.405	.322	.077	.006	8	26.4	-2199.94	-568.26	6961.82	1915.82	.351	6	.281	9
712- 812	M2-01	.475	.383	.092	.000	7	26.4	-2616.85	-247.76	8021.15	-113.32	.412	9	.408	6
801- 802	150-01	.400	.213	.018	.169	9	22.5	-54.12	27.30	-84.09	274.73	.319	8	.316	7
801- 804	165-01	.474	.252	.012	.210	6	22.5	-64.10	-30.46	-71.92	-330.92	.383	7	.376	8
801- 901	JL6-01	.357	.261	.012	.004	9	6.6	571.36	261.80	762.98	1727.08	.350	7	.169	6
801- 903	200-01	.552	.266	.001	.295	8	55.9	-224.06	27.08	-76.55	1605.45	.501	6	.256	9
802- 803	155-01	.396	.213	.017	.166	9	0.0	-54.33	-35.18	-79.45	269.21	.311	7	.275	8
802- 804	140-01	.120	.020	.012	.088	9	0.0	6.09	-8.65	33.13	-89.07	.117	7	.031	6
802- 805	140-01	.219	.045	.000	.174	6	0.0	-12.58	-8.79	-2.16	-164.50	.211	8	.129	7
803- 805	150-01	.351	.165	.154	.012	8	0.0	-47.08	7.15	219.77	65.40	.252	9	.222	7
803- 903	JL6-01	.443	.343	.006	.095	8	27.4	645.68	-156.02	-586.54	2434.62	.441	6	.243	9

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U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	/-------- CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS --------/	/-NEXT TWO HIGH CASES-/ COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803- 906	200-01	.880	.600	.277	.002	6	0.0	-471.69	27.58	-1139.45	-105.86	.776	7	.065	8
804- 805	145-01	.220	.050	.000	.170	9	22.5	-13.69	-2.56	-.15	160.24	.210	7	.200	6
804- 806	160-01	.443	.271	.137	.034	7	22.5	-69.07	16.49	195.85	-106.64	.425	6	.301	8
805- 806	160-01	.257	.007	.124	.046	6	22.5	36.32	-10.98	201.47	123.10	.226	8	.176	7
806- 901	200-01	.847	.546	.168	.134	9	0.0	-429.01	-1.82	-972.51	-869.67	.657	7	.606	8
806- 910	JLY-01	.527	.454	.066	.007	7	13.7	921.23	320.40	1723.29	563.69	.523	9	.494	6
810- 910	P2-01	.279	.193	.027	.058	9	27.4	-1395.17	531.13	-3654.02	-5338.67	.218	7	.151	8
811- 911	P2-01	.447	.325	.116	.006	8	27.4	-2220.26	-655.86	-10319.68	2373.74	.394	6	.319	9
812- 912	P2-01	.508	.387	.121	.000	7	27.4	-2037.24	628.50	-10500.65	-78.54	.442	9	.429	6
901- 902	149-01	.479	.340	.005	.134	6	26.4	-116.75	-9.00	-56.15	-321.48	.324	8	.262	7
901- 904	149-01	.515	.376	.008	.129	7	26.4	-129.94	-17.19	-63.33	-309.35	.367	9	.356	6
901-1001	JLY-01	.098	.002	.012	.085	6	0.0	3.14	67.75	-841.98	2246.28	.098	9	.095	7
901-1002	160-01	.452	.353	.005	.094	8	37.8	-237.50	73.13	-76.33	330.76	.381	6	.121	7
901-1004	160-01	.755	.643	.103	.009	7	37.8	-432.52	-25.92	-301.40	-91.39	.593	9	.478	6
902- 903	149-01	.431	.313	.001	.117	6	26.4	-107.67	20.57	-23.22	-278.68	.299	8	.247	7
902- 904	149-01	.110	.017	.012	.081	9	0.0	5.60	-10.21	31.85	-82.05	.106	7	.035	8
902- 905	149-01	.243	.045	.001	.197	6	0.0	-11.54	-6.21	-12.59	-166.48	.230	8	.142	7
903- 905	149-01	.661	.478	.183	.000	8	0.0	-164.12	9.21	263.72	-6.07	.650	9	.372	7
903-1002	160-01	.504	.352	.008	.154	5	0.0	-243.41	-22.12	-112.66	469.86	.413	8	.112	7
903-1003	JLY-01	.165	.052	.000	.116	8	0.0	104.77	-659.14	92.47	2889.64	.160	6	.160	9
903-1005	160-01	.914	.723	.191	.000	6	0.0	-486.06	2.04	-506.00	-2.99	.812	7	.700	8
904- 905	149-01	.232	.049	.000	.183	9	20.4	-12.09	.19	-5.76	172.64	.224	7	.202	6
904- 906	149-01	.579	.416	.150	.012	7	20.4	-143.46	25.14	249.58	-83.99	.327	6	.247	9
905- 906	149-01	.554	.427	.024	.082	9	20.4	-146.08	9.59	-91.05	-208.56	.518	8	.401	6
906-1004	160-01	.794	.632	.129	.034	9	0.0	-424.99	21.03	-411.29	-209.63	.639	7	.461	8
906-1005	160-01	.854	.712	.119	.003	8	37.8	-478.67	17.62	-322.70	53.89	.768	9	.674	6
906-1006	JLY-01	.144	.055	.009	.080	9	0.0	-107.20	102.98	-694.87	-2088.81	.142	7	.109	6
910-1010	P3-01	.533	.167	.340	.027	9	27.4	-1418.24	997.19	30912.51	-8716.77	.491	7	.177	8
911-1011	P3-01	.850	.264	.554	.002	8	27.4	-2242.84	-2084.18	51260.09	3066.35	.801	6	.542	9
912-1012	P3-01	.993	.313	.661	.000	7	27.4	-2655.67	146.28	59645.00	-30.12	.902	9	.006	6
1001-1002	200-01	.341	.294	.009	.037	9	0.0	-219.78	-27.78	119.28	-259.65	.279	7	.200	6
1001-1004	200-01	.391	.278	.070	.044	9	0.0	-207.87	-83.80	490.35	-421.81	.334	7	.213	6
1002-1003	200-01	.550	.452	.061	.036	8	30.5	-338.72	66.98	357.83	332.32	.427	6	.363	9
1002-1004	140-01	.150	.002	.111	.037	6	0.0	1.11	30.44	-215.09	-124.98	.149	8	.133	7
1002-1005	140-01	.158	.017	.141	.000	7	0.0	-6.38	-23.24	-236.59	1.87	.154	6	.143	9
1003-1005	200-01	.604	.455	.146	.004	8	0.0	-340.36	20.74	665.43	-125.61	.462	6	.423	9
1004-1005	140-01	.113	.051	.062	.019	8	0.0	-11.60	23.50	-119.71	66.71	.105	6	.091	9
1004-1006	200-01	.674	.524	.139	.011	7	30.5	-392.75	27.52	609.24	-202.57	.584	6	.472	9
1005-1006	200-01	.652	.506	.145	.001	7	30.5	-379.17	28.11	616.05	59.08	.596	6	.459	9

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O . 2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

					/-------- CONTROLLING MEMBER ACTIONS --------/											
MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
101- 102	A18-01	.440	7	0.0	-5.72	.01	357.07	93.47	.058	9	.005	7	49.5	55.2	.428	8
101- 104	A10-01	.435	6	0.0	-6.75	-.01	451.92	-62.17	.060	9	.004	6	49.4	55.2	.416	6
101- 201	DPL-01	.074	9	15.0	-24.22	-120.68	694.11	-1090.07	.026	8	.019	8	17.5	17.5	.069	8
102- 103	A10-01	.353	7	14.5	-3.57	-.02	419.90	63.14	.059	7	.003	7	49.5	55.2	.323	9
102- 104	A50-01	.070	7	14.5	-.66	-.00	-2.57	9.75	.005	9	.001	7	50.9	108.3	.055	6
102- 105	A60-01	.041	6	10.9	1.19	-.00	-9.57	3.25	.006	7	.000	7	50.9	108.3	.040	7
103- 105	A10-01	.302	7	0.0	-2.96	-.01	495.18	-54.96	.062	7	.003	7	49.4	55.2	.294	9
103- 203	DPL-01	.064	9	15.0	-23.22	97.63	1004.15	1264.26	.022	9	.018	9	17.5	17.5	.068	8
104- 105	A60-01	.049	7	0.0	1.48	.01	2.49	-5.96	.006	9	.001	7	50.9	108.4	.044	8
104- 106	A10-01	.279	8	14.5	-6.20	.04	337.98	-43.68	.102	7	.003	8	49.5	55.2	.269	6
105- 106	A10-01	.300	6	14.5	-6.90	.02	495.20	-32.68	.061	9	.001	8	49.5	55.2	.262	9
106- 206	DPL-01	.132	7	15.0	-15.97	14.01	-2356.56	921.90	.022	7	.021	7	17.5	17.5	.111	6
201- 202	A10-01	.556	7	0.0	29.50	.05	559.44	99.87	.083	9	.005	7	49.5	55.2	.562	6
201- 204	A10-01	.702	7	0.0	-75.82	-.01	665.65	93.06	.086	7	.005	6	49.4	55.2	.664	6
201- 301	DPL-01	.625	7	15.0	-68.45	-110.76	12024.31	-1557.06	.094	9	.090	7	17.5	17.5	.562	9
201- 303	120-01	.633	7	32.6	4.80	3.58	697.16	-1428.37	.128	7	.127	7	73.7	92.2	.559	6
202- 203	A10-01	.512	7	14.5	29.51	-.05	616.55	70.68	.085	7	.004	7	49.5	55.2	.445	9
202- 204	A50-01	.074	7	14.5	-.86	-.00	-2.59	10.08	.005	7	.001	7	50.9	108.3	.058	6
202- 205	A60-01	.055	7	14.5	-.78	-.00	4.46	-6.57	.006	9	.001	9	50.9	108.3	.052	8
203- 205	A21-01	.649	7	0.0	39.60	-.03	1750.43	-106.25	.144	7	.003	7	40.3	46.0	.524	6
203- 303	DPL-01	.614	8	15.0	-133.86	369.45	-11314.11	-359.93	.140	7	.115	7	17.5	17.5	.609	7
203- 306	120-01	.492	9	32.6	125.24	20.90	655.84	-574.18	.098	9	.091	9	73.7	92.2	.460	7
204- 205	A60-01	.063	6	14.5	-1.13	-.00	3.34	7.65	.006	7	.001	8	50.9	108.4	.048	7
204- 206	A10-01	.513	8	14.5	54.06	.05	626.91	-54.92	.126	9	.003	8	49.5	55.2	.449	6
205- 206	A21-01	.595	8	14.5	-44.32	.01	1706.50	-74.65	.143	9	.002	8	40.3	46.0	.469	9
205- 301	120-01	.655	8	32.6	-113.99	-25.56	562.73	-879.65	.109	8	.101	8	73.7	92.2	.508	9
206- 306	DPL-01	.724	7	15.0	-141.17	334.07	13490.79	-1551.35	.133	9	.119	9	17.5	17.5	.682	9
301- 303	123-01	.657	6	29.0	-49.35	10.70	145.42	-927.06	.113	7	.110	7	64.2	64.2	.616	6
301- 305	123-01	.755	7	29.0	-109.36	-9.93	604.62	-638.53	.069	8	.086	8	64.2	64.2	.750	6
301- 401	DPL-01	.697	7	26.5	-35.40	-1099.83	-13628.64	2051.99	.208	7	.163	7	33.3	33.3	.695	9
303- 306	123-01	.590	7	29.0	65.46	-20.29	598.72	606.08	.068	9	.061	9	64.2	64.2	.570	8
303- 403	DPL-01	.790	8	26.5	-138.76	-835.16	14747.70	1011.46	.260	7	.189	7	33.3	33.3	.702	6
305- 406	DPL-01	1.008	7	26.5	-216.66	301.75	-18394.89	2281.16	.167	7	.155	7	33.3	33.3	.656	9
401- 501	JL4-01	.730	9	4.6	1211.06	-520.38	-6099.77	-21037.42	.092	7	.085	7	2.7	3.4	.724	7
401- 510	P1-01	.325	9	0.0	-1358.40	-701.26	-6124.30	4563.40	.026	6	.021	6	3.8	3.8	.285	7
403- 503	JL4-01	.716	6	4.6	1403.77	710.89	-10013.77	14905.93	.130	6	.122	6	2.7	3.4	.767	6
403- 511	P1-01	.472	8	4.5	-2164.36	694.85	-8826.20	970.15	.026	8	.018	6	3.8	3.8	.429	6
405- 506	JL4-01	.859	7	4.6	2341.46	298.93	-14231.65	2475.04	.104	9	.101	9	2.7	3.4	.819	9
406- 512	P1-01	.604	7	0.0	-2578.17	373.66	-13406.01	-196.24	.022	7	.017	7	3.8	3.8	.545	9
501- 502	165-01	.375	9	15.1	-177.17	228.27	-202.57	565.75	.149	6	.096	6	26.7	33.4	.347	6
501- 504	165-01	.732	9	0.0	290.41	103.33	1268.70	-597.17	.123	6	.085	6	26.7	33.4	.720	7
501- 601	JL5-01	.674	7	0.0	-1039.72	209.83	6325.32	20165.75	.111	6	.106	6	3.6	4.5	.672	9
501- 602	200-01	.497	6	0.0	264.66	-205.95	905.90	-1046.46	.119	7	.084	7	28.4	28.4	.447	8
502- 503	165-01	.301	9	0.0	-161.64	-178.11	-211.03	481.45	.118	9	.076	9	26.7	33.4	.300	7
502- 504	125-01	.120	8	0.0	-6.91	-100.75	134.24	135.82	.112	7	.065	7	33.5	33.5	.114	6
502- 505	125-01	.215	6	0.0	-26.95	-55.39	-102.59	-223.55	.103	7	.060	7	33.5	33.5	.210	8
503- 505	165-01	.573	6	0.0	-201.90	-27.40	1169.06	-172.06	.092	9	.061	9	26.7	33.4	.508	9
503- 603	JL5-01	.674	6	0.0	1475.24	391.07	-6566.67	13430.28	.112	9	.106	9	3.6	4.5	.648	6

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
				/-------- CONTROLLING MEMBER ACTIONS --------/												
503- 605	200-01	.355	6	0.0	562.04	11.11	1822.50	117.91	.078	9	.060	9	28.4	28.4	.810	9
504- 505	125-01	.195	9	15.1	-26.00	-1.05	-139.35	217.53	.052	6	.037	8	33.5	33.5	.193	7
504- 506	165-01	.752	7	15.1	-337.34	74.21	1267.36	180.76	.090	8	.063	8	26.7	33.4	.653	9
505- 506	165-01	.544	6	15.1	152.77	-53.99	1199.35	495.22	.072	7	.053	7	26.7	33.4	.526	8
505- 505	JL3-01	.701	7	0.0	2011.58	426.80	-10275.58	2611.41	.065	7	.058	7	3.6	4.5	.680	9
507- 644	200-01	.551	7	0.0	562.51	90.50	1607.93	1035.73	.096	6	.073	6	28.4	28.4	.810	9
510- 710	M1-01	.321	9	0.0	-1559.21	-878.67	-6240.25	4073.52	.042	6	.027	6	21.4	21.4	.285	7
511- 711	M1-01	.475	6	0.0	-2164.07	599.55	-6619.22	1026.21	.040	9	.030	8	21.4	21.4	.429	6
512- 712	M1-01	.563	7	0.0	-2560.96	396.34	-11968.39	-169.77	.037	7	.033	7	21.4	21.4	.534	9
601- 641	JL3-01	.505	9	0.0	1136.98	-712.44	-3705.25	-10848.97	.112	6	.094	6	3.6	4.5	.500	7
603- 643	JL3-01	.525	8	0.0	1457.76	666.79	-4693.97	7155.57	.104	9	.090	9	3.6	4.5	.501	6
604- 646	JL3-01	.609	7	0.0	2009.20	431.17	-5836.65	1347.54	.052	7	.045	7	3.6	4.5	.589	9
641- 651	JL6-01	.393	9	0.0	1134.44	-712.44	-2197.22	-4905.49	.104	6	.086	6	3.6	4.5	.376	7
642- 703	200-01	.511	6	21.9	254.96	-206.05	419.14	-1457.45	.118	7	.084	7	30.7	30.7	.493	8
643- 653	JL3-01	.409	8	0.0	1455.23	666.79	-1514.65	2283.26	.095	9	.081	9	3.6	4.5	.392	6
644- 701	200-01	.658	9	21.9	-551.61	-83.70	-38.52	-675.86	.091	8	.067	6	30.7	30.7	.641	7
645- 706	200-01	.683	7	21.9	-559.16	115.85	-99.56	811.84	.069	9	.052	9	30.7	30.7	.654	9
647- 650	JL3-01	.545	7	0.0	2006.59	431.03	-2721.09	65.06	.046	7	.039	7	3.6	4.5	.522	9
651- 701	JL6-01	.315	9	0.0	1106.11	-1377.00	-1175.51	-612.95	.093	6	.060	6	4.2	5.3	.293	7
653- 703	JL6-01	.443	6	7.1	-1492.42	-672.58	-2035.93	3454.93	.077	9	.052	9	4.2	5.3	.441	8
655- 706	JL3-01	.543	7	7.1	2001.00	430.49	973.79	-2651.33	.036	7	.029	9	4.2	5.3	.525	9
701- 702	137-01	.435	6	10.8	-66.11	29.39	-65.24	317.53	.074	9	.058	9	82.3	41.1	.388	6
701- 704	137-01	.304	6	10.8	-35.05	-19.75	-80.05	-314.67	.068	6	.056	6	82.3	41.2	.305	8
701- 801	JL7-01	.409	9	13.2	568.34	-404.45	1129.69	2730.05	.072	6	.054	9	15.9	19.9	.376	7
701- 805	200-01	.745	7	0.0	-461.14	8.86	-818.37	-440.04	.043	8	.042	8	68.4	68.4	.653	9
702- 703	137-01	.401	8	10.8	-76.84	-23.87	149.34	127.72	.069	9	.057	9	82.3	41.1	.389	9
702- 704	127-01	.135	7	0.0	-8.85	6.56	1.03	100.34	.034	7	.028	7	49.0	49.0	.136	9
702- 705	127-01	.211	6	0.0	-14.71	-1.61	-.23	-151.66	.040	8	.038	8	49.0	49.0	.203	8
703- 705	137-01	.270	7	10.8	-22.65	13.81	-80.00	254.97	.046	7	.038	7	82.3	41.2	.258	9
703- 801	200-01	.619	6	0.0	-263.22	6.53	-530.47	1636.86	.053	9	.051	8	68.4	68.4	.554	8
703- 803	JL7-01	.753	8	6.8	1214.93	-268.09	2797.15	-2591.72	.066	8	.056	8	15.9	19.9	.752	6
704- 705	12 -01	.222	9	0.0	-16.71	1.67	5.20	155.31	.044	7	.042	7	49.0	49.0	.219	7
704- 706	137-01	.293	6	10.8	-49.19	26.27	130.76	-135.30	.063	6	.047	6	82.3	41.1	.255	7
705- 706	13 -01	.257	7	10.8	-40.96	-20.06	175.49	106.66	.045	7	.033	7	82.3	41.1	.262	6
706- 805	200-01	.842	9	0.0	-460.32	.41	-926.85	1043.74	.041	7	.041	7	68.4	68.4	.825	8
706- 806	JL7-01	.821	7	6.8	1596.82	-200.69	3058.38	-1248.12	.058	7	.051	7	15.9	19.9	.802	9
710- 810	M2-01	.248	9	26.4	-1574.96	-879.36	3513.94	-2076.55	.040	6	.024	6	22.3	22.3	.183	7
711- 811	M2-01	.405	8	26.4	-2199.94	-568.26	6961.82	1915.82	.024	6	.014	6	22.3	22.3	.351	6
712- 812	M2-01	.475	7	26.4	-2616.95	-247.76	6021.15	-113.32	.018	6	.011	6	22.3	22.3	.412	9
801- 802	166-01	.400	9	22.5	-54.12	27.30	-64.09	274.73	.069	9	.052	9	96.7	49.4	.319	8
801- 804	165-01	.474	6	22.5	-64.10	-30.46	-71.92	-330.92	.074	6	.056	6	96.7	49.4	.383	7
801- 901	JL8-01	.357	9	6.8	571.56	261.80	762.98	1727.06	.060	6	.051	6	16.5	20.6	.350	7
801- 905	200-01	.562	8	55.9	-224.66	27.08	-76.55	1605.45	.049	9	.044	9	78.3	78.3	.501	6
802- 803	165-01	.395	9	0.0	-54.33	-35.16	-79.45	269.21	.078	9	.057	9	98.7	49.4	.311	7
802- 804	140-01	.120	9	0.0	5.69	-8.85	33.13	-89.07	.034	7	.025	9	58.8	58.8	.117	7
802- 805	145-01	.219	6	0.0	-12.56	-8.79	-2.16	-164.50	.045	6	.036	6	58.8	58.8	.211	8
803- 805	166-01	.351	8	0.0	-47.06	7.15	219.77	65.40	.045	7	.034	7	98.7	49.4	.252	9
803- 903	JL8-01	.445	6	27.4	695.68	-156.02	-588.54	2434.62	.051	6	.048	9	16.5	20.6	.441	6

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   2

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
803- 906	200-01	.550	6	0.0	-471.89	27.58	-1139.45	-103.86	.036	9	.032	9	78.3	78.3	.776	7
804- 905	140-01	.220	9	22.5	-15.89	-2.56	-.15	160.24	.038	9	.036	9	58.8	58.8	.210	7
804- 906	155-01	.443	7	22.5	-69.07	16.49	195.85	-108.64	.057	6	.043	6	98.7	49.4	.425	6
805- 906	160-01	.257	6	22.5	56.32	-10.98	201.47	123.10	.047	7	.033	7	96.7	49.4	.226	6
806- 911	200-01	.647	9	0.0	-429.01	-1.82	-972.51	-869.67	.054	6	.046	6	76.3	76.3	.657	7
806- 915	JL5-01	.527	7	13.7	921.23	326.40	1723.29	565.89	.087	6	.056	6	16.5	20.6	.523	9
810- 910	P2-01	.279	9	27.4	-1595.17	531.13	-3654.02	-5538.87	.028	6	.016	6	23.2	23.2	.218	7
811- 911	P2-01	.447	6	27.4	-2220.26	-665.86	-10319.66	2375.74	.048	6	.036	6	23.2	23.2	.394	6
812- 912	P2-01	.508	7	27.4	-2657.24	628.50	-10500.65	-78.54	.067	6	.044	6	23.2	23.2	.442	9
901- 902	149-01	.479	6	20.4	-115.75	-9.00	-56.15	-321.40	.049	9	.036	9	106.2	53.1	.324	8
901- 904	149-01	.515	7	20.4	-129.44	-17.19	-63.35	-309.35	.043	6	.035	6	106.2	53.1	.367	9
901-1001	JL9-01	.098	6	0.0	5.14	67.75	-841.95	2246.28	.046	9	.034	9	16.5	20.6	.098	9
901-1002	162-01	.452	6	37.6	-257.50	73.13	-76.33	330.70	.060	6	.036	6	66.8	66.8	.381	6
901-1004	160-01	.755	7	37.6	-432.52	-25.92	-301.40	-91.39	.049	6	.033	6	66.8	66.8	.593	9
902- 903	159-01	.451	6	20.4	-107.67	20.57	-23.22	-278.68	.047	9	.035	9	106.2	53.1	.299	8
902- 904	149-01	.110	9	0.0	5.80	-10.21	31.85	-62.05	.033	9	.024	9	69.0	69.0	.106	7
902- 905	149-01	.243	6	0.0	-11.84	-6.21	-12.59	-186.48	.038	8	.032	8	69.0	69.0	.230	8
903- 905	169-01	.661	8	0.0	-164.12	9.21	265.72	-8.07	.025	7	.020	7	106.2	53.1	.630	9
903-1002	157-01	.504	6	0.0	-245.41	-22.12	-112.86	469.85	.033	9	.027	9	66.6	66.6	.413	8
903-1003	JL9-01	.165	8	0.0	104.77	-659.14	92.47	2889.67	.073	6	.049	8	16.5	20.6	.160	6
903-1005	160-01	.914	6	0.0	-486.86	2.64	-506.00	-2.99	.044	9	.031	9	66.8	66.8	.812	7
904- 905	149-01	.232	9	20.4	-12.89	.19	-5.76	172.64	.037	6	.032	6	69.0	69.0	.224	7
904- 906	169-01	.579	7	20.4	-143.40	25.14	249.50	-83.99	.044	6	.031	6	106.1	53.1	.327	6
905- 906	159-01	.534	9	20.4	-146.59	9.59	-91.65	-208.56	.032	7	.023	7	106.1	53.1	.518	8
906-1004	162-01	.794	9	0.0	-424.99	21.03	-411.29	-209.63	.037	6	.028	6	66.8	66.8	.639	7
906-1005	160-01	.834	6	37.6	-476.87	17.82	-322.70	53.89	.026	6	.020	6	66.8	66.8	.768	9
906-1006	JL9-01	.144	9	0.0	-107.20	102.96	-694.67	-2088.81	.076	6	.051	6	16.5	20.6	.142	7
910-1010	P3-01	.535	9	27.4	-1418.24	997.19	30912.51	-6716.77	.057	9	.047	9	23.4	23.4	.491	7
911-1011	P3-01	.850	6	27.4	-2242.84	-2084.16	51260.89	3066.35	.118	6	.093	6	23.4	23.4	.801	6
912-1012	P3-01	.993	7	27.4	-2655.67	145.28	59645.00	-30.12	.117	6	.091	6	23.4	23.4	.902	9
1001-1002	200-01	.341	9	0.0	-219.70	-27.76	119.26	-259.65	.031	6	.021	8	84.9	42.5	.279	7
1001-1004	200-01	.391	9	0.0	-207.87	-83.80	490.35	-421.81	.057	6	.035	6	84.9	42.5	.334	7
1002-1003	200-01	.550	8	30.5	-358.72	66.98	367.83	332.32	.043	9	.025	9	84.9	42.5	.427	6
1002-1004	140-01	.150	6	0.0	1.11	30.44	-215.09	-124.98	.040	6	.025	6	60.4	60.4	.149	8
1002-1005	140-01	.155	7	0.0	-6.30	-23.24	-236.59	1.87	.032	9	.020	9	60.4	60.4	.154	6
1003-1005	200-01	.604	8	0.0	-340.36	20.74	665.43	-125.61	.025	7	.017	7	84.9	42.5	.462	6
1004-1005	140-01	.115	6	0.0	-11.60	25.50	-119.71	66.71	.029	6	.017	6	60.4	60.4	.105	6
1004-1006	200-01	.574	7	30.5	-592.75	27.52	609.24	-202.57	.016	7	.012	7	84.9	42.4	.584	6
1005-1006	200-01	.652	7	30.5	-579.17	28.11	616.65	59.08	.015	8	.010	8	84.9	42.4	.596	6

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	A10-01	.440	7	0.0	-.23	4.01	8.72	.76	-6.87	49.5	55.2	.428	8	.428	6
101- 104	A10-01	.438	8	0.0	-.42	4.85	-7.67	-.67	-7.34	49.4	55.2	.416	6	.406	7
101- 201	URL-01	.074	9	15.0	-.27	-2.02	0.00	9.66	5.97	17.5	17.5	.069	8	.039	6
102- 103	A15-01	.363	7	14.5	-.22	4.71	5.69	-.57	7.24	49.5	55.2	.323	9	.276	8
102- 104	A06-01	.070	7	14.5	-.09	-.12	1.74	-.10	.17	50.9	108.3	.055	6	.049	9
102- 105	A15-01	.041	8	10.9	.17	-.46	.56	-.01	.06	50.9	108.3	.040	7	.034	6
103- 105	A15-01	.362	7	0.0	-.16	5.56	-5.13	-.43	-7.62	49.4	55.2	.294	9	.266	6
103- 203	URL-01	.059	9	15.0	-.25	-2.53	0.00	-10.21	7.17	17.5	17.5	.088	8	.047	7
104- 105	A06-01	.049	7	0.0	.21	.12	-1.06	-.03	-.22	50.9	108.4	.044	8	.043	9
104- 106	A10-01	.279	6	14.5	-.36	3.79	-4.09	.41	11.75	49.5	55.2	.269	6	.190	7
105- 106	A10-01	.300	6	14.5	-.43	5.56	-3.05	.22	7.53	49.5	55.2	.262	9	.181	6
106- 206	URL-01	.132	7	15.0	-.19	-3.46	0.00	-5.75	-17.09	17.5	17.5	.111	6	.079	9
201- 202	A15-01	.566	7	0.0	1.82	6.28	9.32	.85	-9.93	49.5	55.2	.562	6	.551	8
201- 204	A15-01	.702	7	0.0	-4.68	7.47	8.66	.74	-10.56	49.4	55.2	.664	6	.585	8
201- 301	URL-01	.626	7	15.0	-.75	-16.93	0.00	14.92	60.27	17.5	17.5	.562	9	.470	6
201- 303	120-01	.633	7	32.6	.17	19.83	0.00	31.80	11.88	73.7	92.2	.589	6	.261	8
202- 203	A10-01	.512	7	14.5	1.82	6.92	6.59	-.64	10.27	49.5	55.2	.445	9	.409	6
202- 204	A06-01	.074	7	14.5	-.12	-.12	1.80	-.10	.17	50.9	108.3	.056	6	.051	9
202- 205	A06-01	.055	7	14.5	-.11	.21	-1.17	.04	.18	50.9	108.3	.052	8	.047	6
203- 205	A21-01	.649	7	0.0	1.84	11.62	-6.25	-.76	-2[illegible].62	40.3	48.0	.524	6	.470	9
203- 303	URL-01	.614	8	15.0	-1.47	-17.71	0.00	-1.35	-5[illegible].50	17.5	17.5	.609	7	.581	9
203- 306	120-01	.492	9	32.6	4.43	10.69	0.00	12.97	16.73	73.7	92.2	.460	7	.412	8
204- 205	A06-01	.063	8	14.5	-.16	.16	1.37	-.05	.19	50.9	108.4	.048	7	.044	6
204- 206	A10-01	.518	8	14.5	3.34	7.06	-5.12	.52	15.37	49.5	55.2	.449	6	.401	7
205- 206	A21-01	.595	8	14.5	-2.96	11.33	-4.39	.53	26.19	40.3	48.0	.469	9	.375	6
206- 301	120-01	.633	8	32.6	-4.03	-13.17	0.00	24.54	5.16	73.7	92.2	.508	9	.486	7
206- 306	URL-01	.728	7	15.0	-1.55	-21.24	0.00	14.43	78.07	17.5	17.5	.682	9	.610	8
301- 303	125-01	.537	6	29.0	-2.56	-16.55	0.00	16.49	2.69	64.2	64.2	.616	8	.563	7
301- 306	125-01	.755	7	29.0	-5.68	-16.51	0.00	7.63	4.42	64.2	64.2	.750	6	.665	8
301- 401	URL-01	.647	7	28.5	-.39	-21.56	0.00	-9.56	-102.96	33.3	33.3	.695	9	.507	6
303- 306	125-01	.590	7	29.0	3.30	15.02	0.00	-7.51	3.99	64.2	64.2	.570	8	.551	9
303- 403	URL-01	.790	8	28.5	-1.52	-23.12	0.00	-18.99	100.61	33.3	33.3	.702	6	.644	9
306- 406	URL-01	1.004	7	28.5	-2.36	-29.00	0.00	-10.66	-123.76	33.3	33.3	.856	9	.811	6
401- 501	JL4-01	.733	9	4.6	8.47	13.76	0.00	84.64	-45.06	2.7	3.4	.724	7	.551	8
401- 510	P1-01	.323	9	0.0	-6.04	-3.58	0.00	8.62	-1.91	3.8	3.8	.285	7	.202	6
403- 503	JL4-01	.816	6	4.6	13.18	11.28	0.00	-47.70	-137.10	2.7	3.4	.767	6	.765	9
403- 511	P1-01	.472	6	4.6	-9.76	-4.15	0.00	.82	-18.04	3.8	3.8	.429	6	.340	9
406- 506	JL4-01	.859	7	4.6	16.36	9.13	0.00	-10.57	-126.46	2.7	3.4	.819	9	.725	6
406- 512	P1-01	.504	7	0.0	-11.65	-6.27	0.00	-.12	26.07	3.8	3.8	.545	9	.508	6
501- 502	165-01	.375	9	15.1	-5.87	-5.38	0.00	-11.15	-1.91	26.7	33.4	.347	6	.325	7
501- 504	165-01	.732	9	0.0	9.62	12.56	0.00	-3.81	-7.92	26.7	33.4	.720	7	.647	8
501- 601	JL5-01	.674	7	0.0	-7.27	-13.29	0.00	118.56	-31.57	3.6	4.5	.672	9	.519	8
501- 602	200-01	.467	6	0.0	6.96	7.75	0.00	-13.86	-6.60	28.4	28.4	.447	8	.312	9
502- 503	165-01	.361	9	0.0	-6.02	-4.71	0.00	9.94	1.16	26.7	33.4	.300	7	.193	8
502- 504	125-01	.120	6	0.0	-.36	-3.57	0.00	1.14	-1.57	33.5	33.5	.114	6	.113	9
502- 505	125-01	.215	6	0.0	-1.40	-5.09	0.00	-4.49	.51	33.5	33.5	.210	8	.146	7
503- 505	165-01	.575	6	0.0	-6.69	-10.76	0.00	-1.96	-7.65	26.7	33.4	.508	9	.472	6
503- 603	JL5-01	.674	8	0.0	10.32	9.94	0.00	94.42	57.16	3.6	4.5	.644	6	.622	7

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   3

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503- 645	200-01	.855	8	0.0	15.30	10.22	0.00	1.24	-14.93	28.4	28.4	.810	9	.795	7
504- 505	125-01	.196	9	15.1	-1.35	-4.56	0.00	-4.90	.33	33.5	33.5	.193	7	.136	6
504- 506	165-01	.752	7	15.1	-11.17	-11.46	0.00	-.45	8.75	26.7	33.4	.653	9	.614	6
505- 506	165-01	.54[illegible]	6	15.1	5.06	11.62	0.00	-4.97	7.98	26.7	33.4	.526	8	.490	7
506- 6[illegible]5	JL5-01	.701	7	0.0	14.07	6.66	0.00	17.30	67.13	3.6	4.5	.680	9	.607	8
50[illegible]- 644	200-01	.854	7	0.0	14.79	10.71	0.00	10.56	-12.59	28.4	28.4	.810	9	.665	6
510- 710	M1-01	.321	9	0.0	-6.05	-3.49	0.00	10.09	24.48	21.4	21.4	.285	7	.195	6
511- 711	M1-01	.475	8	0.0	-4.76	-4.15	0.00	-1.70	45.29	21.4	21.4	.429	6	.336	9
512- 712	M1-01	.563	7	0.0	-11.60	-5.60	0.00	-.12	55.95	21.4	21.4	.534	9	.490	6
601- 641	JL6-01	.505	9	0.0	7.95	7.20	0.00	-86.70	23.15	3.6	4.5	.500	7	.331	8
603- 643	JL6-01	.525	6	0.0	10.20	5.38	0.00	69.83	46.29	3.6	4.5	.501	6	.432	9
60[illegible]- 646	JL6-01	.608	7	0.0	14.06	3.76	0.00	17.30	48.27	3.6	4.5	.589	9	.529	8
641- 651	JL6-01	.363	9	0.0	7.94	3.38	0.00	-76.32	10.26	3.6	4.5	.376	7	.197	8
642- 7[illegible]3	200-01	.511	6	21.9	6.96	6.49	0.00	15.92	6.78	30.7	30.7	.493	8	.256	7
643- 653	JL6-01	.409	8	0.0	10.16	1.72	0.00	63.77	39.00	3.6	4.5	.392	6	.290	9
644- 701	200-01	.659	9	21.9	-14.50	-3.79	0.00	9.57	-5.04	30.7	30.7	.641	7	.546	8
645- 7[illegible]6	200-01	.665	7	21.9	-14.57	-4.58	0.00	-8.84	-5.81	30.7	30.7	.654	9	.631	8
64[illegible]- 655	JL6-01	.543	7	0.0	14.04	1.71	0.00	17.30	40.54	3.6	4.5	.522	9	.479	6
651- 701	JL6-01	.315	9	0.0	8.30	.83	0.00	-16.82	12.03	4.2	5.3	.293	7	.130	8
653- 703	JL6-01	.443	5	7.1	-10.44	-2.52	0.00	-13.92	-5.51	4.2	5.3	.441	8	.270	7
65[illegible]- 706	JL6-01	.543	7	7.1	14.00	1.77	0.00	17.30	.42	4.2	5.3	.525	9	.457	6
701- 702	137-01	.438	6	18.8	-4.53	-7.51	0.00	-6.19	-.53	82.3	41.1	.388	6	.362	9
701- 704	137-01	.364	6	18.8	-2.61	-7.41	0.00	6.17	-.51	82.3	41.2	.305	8	.200	7
701- 801	JL7-01	.409	9	13.2	8.32	3.76	0.00	-3.73	-2.81	15.9	19.9	.376	7	.207	6
701- 806	200-01	.745	7	0.0	-12.12	-5.19	0.00	-7.31	7.94	68.4	68.4	.633	9	.610	6
702- 703	137-01	.401	8	18.8	-5.27	-4.48	0.00	-4.13	1.12	82.3	41.1	.389	9	.324	7
702- 704	127-01	.136	7	0.0	-.74	-3.36	0.00	2.46	-.63	49.0	49.0	.136	9	.030	8
702- 705	127-01	.211	6	0.0	-1.24	-5.07	0.00	-4.06	-.66	49.0	49.0	.203	8	.123	7
703- 705	137-01	.270	7	18.8	-1.55	-6.10	0.00	-4.17	-.35	82.3	41.2	.258	9	.187	8
703- 801	200-01	.619	6	0.0	-6.84	-9.63	0.00	17.02	3.62	68.4	68.4	.554	8	.267	7
[illegible]3- 8[illegible]3	JL7-01	.754	8	6.6	17.19	4.94	0.00	-.05	.78	15.9	19.9	.752	6	.556	9
[illegible]4- 7[illegible]5	127-01	.222	9	0.0	-1.40	-5.20	0.00	4.51	-.67	49.0	49.0	.219	7	.215	8
[illegible]4- 706	137-01	.293	6	18.8	-3.37	-4.29	0.00	4.09	.93	82.3	41.1	.255	7	.230	8
[illegible]5- 706	137-01	.267	7	18.8	-2.81	-4.65	0.00	-2.74	1.15	82.3	41.1	.262	6	.186	8
[illegible]6- 8[illegible]3	2[illegible]-01	.842	9	0.0	-12.10	-7.81	0.00	10.57	7.66	68.4	68.4	.825	8	.716	7
[illegible]6- 8[illegible]6	JL[illegible]-01	.821	7	6.6	19.76	4.20	0.00	-6.42	3.71	15.9	19.9	.802	9	.667	6
[illegible]- 810	M2-01	.249	9	26.4	-5.47	-1.70	0.00	9.73	7.60	22.3	22.3	.183	7	.090	8
711- 811	M2-01	.405	6	26.4	-8.75	-5.01	0.00	-1.13	6.65	22.3	22.3	.351	6	.261	9
712- 812	M2-01	.475	7	26.4	-10.41	-3.34	0.00	-.12	9.69	22.3	22.3	.412	9	.408	6
801- 802	165-01	.400	9	22.5	-3.71	-6.56	0.00	-5.01	-.61	98.7	49.4	.319	8	.316	7
801- 804	165-01	.474	6	22.5	-4.40	-7.73	0.00	5.30	-.30	98.7	49.4	.383	7	.376	8
801- 901	JL6-01	.357	9	6.8	8.08	2.40	0.00	.29	4.45	16.5	20.6	.350	7	.189	6
801- 903	200-01	.562	8	55.9	-5.91	-6.99	0.00	-12.34	-2.15	78.3	78.3	.501	6	.256	9
802- 803	160-01	.396	9	0.0	-3.75	-6.41	0.00	4.95	.56	98.7	49.4	.311	7	.275	8
802- 804	140-01	.120	9	0.0	.56	3.18	0.00	-1.94	-.58	58.8	58.8	.117	7	.031	6
802- 805	140-01	.219	6	0.0	-1.06	-5.50	0.00	-3.39	-.53	58.8	58.8	.211	8	.129	7
8[illegible]3- 8[illegible]5	160-01	.351	6	0.0	-5.23	-5.23	0.00	.56	-1.24	98.7	49.4	.252	9	.222	7
[illegible]3- 9[illegible]3	JL6-01	.443	8	27.0	9.24	3.18	0.00	-20.12	-18.56	16.5	20.6	.441	6	.293	9

U.S. NAVY - ACMR PLATFORMS - PLATFORM NO. 2 - MWL 93.0 FEET - 50 YR STORM

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
803- 906	200-01	.800	6	0.0	-12.40	-6.40	0.00	-.66	7.25	78.3	78.3	.776	7	.665	8
804- 805	149-01	.220	9	22.5	-1.17	-5.36	0.00	-3.76	.57	58.8	58.8	.210	7	.200	6
804- 806	160-01	.443	7	22.5	-4.74	-5.11	0.00	2.18	1.03	98.7	49.4	.425	6	.301	8
805- 806	160-01	.257	6	22.5	2.49	5.39	0.00	-.96	1.15	98.7	49.4	.226	8	.176	7
806- 901	200-01	.847	9	0.0	-11.28	-7.30	0.00	-7.80	6.02	78.3	78.3	.657	7	.606	8
806- 906	JL6-01	.527	7	13.7	13.03	2.31	0.00	-6.68	-5.00	16.5	20.6	.523	9	.494	6
810- 910	P2-01	.277	9	27.4	-5.55	-2.70	0.00	9.93	-20.16	23.2	23.2	.218	7	.131	8
811- 911	P2-01	.447	6	27.4	-3.83	-4.41	0.00	-1.42	-50.95	23.2	23.2	.394	6	.319	9
812- 912	P2-01	.508	7	27.4	-10.49	-4.38	0.00	-.12	-54.72	23.2	23.2	.442	9	.429	6
901- 902	169-01	.479	6	26.4	-5.51	-4.72	0.00	5.09	-.44	106.2	53.1	.324	8	.262	7
901- 904	169-01	.515	7	26.4	-6.13	-4.57	0.00	3.45	.20	106.2	53.1	.367	9	.356	6
901-1001	JL9-01	.098	6	0.0	.04	3.05	0.00	18.20	1.88	16.5	20.6	.098	9	.095	7
901-1002	160-01	.452	8	37.8	-7.87	-3.04	0.00	-3.92	-1.03	66.8	66.8	.381	6	.121	7
901-1004	160-01	.755	7	37.8	-14.35	-2.62	0.00	1.79	-2.40	66.8	66.8	.593	9	.476	6
902- 903	169-01	.451	6	26.4	-5.08	-4.05	0.00	3.86	.27	106.2	53.1	.299	8	.247	7
902- 904	149-01	.110	9	0.0	.49	2.94	0.00	-1.67	-.37	69.0	69.0	.106	7	.035	8
902- 905	149-01	.243	6	0.0	-.99	-6.25	0.00	-3.05	-.21	69.0	69.0	.230	8	.142	7
903- 905	169-01	.651	8	0.0	-7.74	-3.62	0.00	.09	-1.24	106.2	53.1	.630	9	.372	7
903-1002	160-01	.504	6	0.0	-8.06	-4.33	0.00	5.30	1.23	66.8	66.8	.413	8	.112	7
903-1003	JL9-01	.168	6	0.0	1.48	3.68	0.00	16.30	6.85	16.5	20.6	.160	6	.160	9
903-1005	160-01	.914	6	0.0	-16.12	-4.53	0.00	-.45	4.38	66.8	66.8	.812	7	.700	8
904- 905	149-01	.232	9	26.4	-1.08	-5.78	0.00	-3.27	.27	69.0	69.0	.224	7	.202	6
904- 906	169-01	.579	7	26.4	-6.77	-3.61	0.00	1.85	1.21	106.1	53.1	.327	6	.297	9
905- 906	169-01	.534	9	26.4	-6.93	-3.30	0.00	2.64	.06	106.1	53.1	.518	8	.401	6
906-1004	160-01	.794	9	0.0	-14.06	-4.13	0.00	-3.01	3.45	66.8	66.8	.639	7	.481	8
906-1005	160-01	.854	6	37.8	-15.86	-2.93	0.00	-.27	-2.51	66.8	66.8	.766	9	.674	6
906-1006	JL9-01	.144	9	0.0	-1.52	-2.60	0.00	-6.49	-2.13	16.5	20.6	.142	7	.109	6
910-1010	P3-01	.533	9	27.4	-4.80	-11.58	0.00	10.28	107.20	23.4	23.4	.491	7	.177	8
911-1011	P3-01	.650	8	27.4	-7.59	-13.52	0.00	-2.09	189.44	23.4	23.4	.801	6	.542	9
912-1012	P3-01	.993	7	27.4	-8.96	-21.51	0.00	-.12	215.52	23.4	23.4	.902	9	.866	6
1001-1002	200-01	.341	9	0.0	-5.78	-1.60	0.00	-.32	-.23	84.9	42.5	.279	7	.200	6
1001-1004	200-01	.391	9	0.0	-5.46	-3.62	0.00	-1.30	-1.50	84.9	42.5	.334	7	.213	6
1002-1003	200-01	.550	6	30.3	-8.90	-2.77	0.00	-1.51	1.13	84.9	42.5	.427	6	.343	9
1002-1004	140-01	.150	6	0.0	.07	4.07	0.00	-.66	1.39	60.4	60.4	.149	8	.133	7
1002-1005	140-01	.158	7	0.0	-.40	-4.44	0.00	-.02	1.29	60.4	60.4	.154	6	.143	9
1003-1005	200-01	.604	8	0.0	-8.95	-3.79	0.00	-.34	-2.71	84.9	42.5	.462	6	.423	9
1004-1005	140-01	.113	6	0.0	-.72	-2.57	0.00	.41	.65	60.4	60.4	.105	6	.091	9
1004-1006	200-01	.674	7	30.3	-10.32	-3.59	0.00	1.10	2.44	84.9	42.4	.584	6	.472	9
1005-1006	200-01	.652	7	30.3	-9.97	-3.47	0.00	-.55	1.94	84.9	42.4	.596	6	.459	9

APPENDIX B.3

SAPCHK - Primary Joints

SAPCMK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30.000	1.250	1	-0.00	36
201	303	12.750	.500	1	62.70	36
203	303	30.000	1.250	1	-0.00	36
203	306	12.750	.500	1	62.70	36
206	306	30.000	1.250	1	-0.00	36
206	301	12.750	.500	1	62.70	36
201	301	30.000	1.250	2	-0.00	36
206	301	12.750	.500	2	62.70	36
301	306	12.750	.500	1	90.00	36
301	401	30.000	1.250	1	-0.00	36
301	306	12.750	.750	1	90.00	36
203	303	30.000	1.500	2	-0.00	36
201	303	12.750	1.000	2	62.70	36
301	303	12.750	.750	2	90.00	36
303	403	30.000	1.250	1	-0.00	36
301	303	12.750	.500	2	90.00	36
206	306	30.000	1.250	2	-0.00	36
203	306	12.750	.750	2	62.70	36
303	306	12.750	.750	2	90.00	36
306	406	30.000	1.250	1	-0.00	36
303	306	12.750	.750	2	90.00	36
401	501	48.000	1.750	2	-0.00	36
501	504	16.000	.750	1	81.82	36
501	502	16.000	.750	1	81.82	36
501	642	20.000	1.000	1	62.34	36
501	601	48.000	1.750	1	-0.00	36
501	504	16.000	.750	1	81.82	36
501	502	16.000	.750	1	81.82	36
501	642	20.000	1.000	1	62.34	36
403	503	48.000	1.750	2	-0.00	36
502	503	16.000	.750	2	81.82	36
503	505	16.000	.750	1	81.82	36
503	645	20.000	1.000	1	62.34	36
503	603	48.000	1.750	1	-0.00	36
502	503	16.000	.750	2	81.82	36
503	505	16.000	.750	1	81.82	36
503	645	20.000	1.000	1	62.34	36
406	506	48.000	1.750	2	-0.00	36
505	506	16.000	.750	2	81.82	36
504	506	16.000	.750	2	81.82	36
506	644	20.000	1.000	1	62.34	36
506	606	48.000	1.750	1	-0.00	36
505	506	16.000	.750	2	81.82	36
504	506	16.000	.750	2	81.82	36
506	644	20.000	1.000	1	62.34	36
651	701	47.000	1.500	2	-0.00	36
701	702	12.750	.375	1	81.82	36
644	701	20.000	.750	2	35.82	36
701	704	12.750	.375	1	81.82	36
701	806	20.000	.750	1	64.87	36
701	801	47.000	1.500	1	-0.00	36
701	702	12.750	.375	1	81.82	36

648	701	20,000	,750	2	35,82	36
701	704	12,750	,375	1	81,82	36
701	806	20,000	,750	1	64,87	36
653	703	47,000	1,500	2	-0,00	36
642	703	20,000	,750	2	45,98	36
702	703	12,750	,375	2	81,82	36
703	801	20,000	,750	1	64,87	36
703	705	12,750	,375	1	81,82	36
703	803	47,000	1,500	1	-0,00	36
642	703	20,000	,750	2	45,98	36
702	703	12,750	,375	2	81,82	36
703	801	20,000	,750	1	64,87	36
703	705	12,750	,375	1	81,82	36
706	806	47,000	1,500	1	-0,00	36
645	706	20,000	,750	2	45,98	36
705	706	12,750	,375	2	81,82	36
706	803	20,000	,750	1	64,87	36
704	706	12,750	,375	2	81,82	36
656	706	47,000	1,500	2	-0,00	36
645	706	20,000	,750	2	45,98	36
705	706	12,750	,375	2	81,82	36
706	803	20,000	,750	1	64,87	36
704	706	12,750	,375	2	81,82	36
701	801	47,000	1,500	2	-0,00	36
801	804	12,750	,375	1	81,82	36
703	801	20,000	,750	2	50,50	36
801	802	12,750	,375	1	81,82	36
801	903	20,000	,750	1	69,03	36
801	901	47,000	1,500	1	-0,00	36
801	804	12,750	,375	1	81,82	36
703	801	20,000	,750	2	50,50	36
801	802	12,750	,375	1	81,82	36
801	903	20,000	,750	1	69,03	36
703	803	47,000	1,500	2	-0,00	36
802	803	12,750	,375	2	81,82	36
706	803	20,000	,755	2	50,50	36
803	805	12,750	,375	1	81,82	36
803	906	20,000	,755	1	69,03	36
803	903	47,000	1,500	1	-0,00	36
802	803	12,750	,375	2	81,82	36
706	803	20,000	,750	2	50,50	36
803	805	12,750	,375	1	81,82	36
803	906	20,000	,750	1	69,03	36
706	806	47,000	1,500	2	-0,00	36
805	806	12,750	,375	2	81,82	36
701	806	20,000	,750	2	50,50	36
804	806	12,750	,375	2	81,82	36
806	901	20,000	,750	1	69,03	36
806	906	47,000	1,500	1	-0,00	36
805	806	12,750	,375	2	81,82	36
701	806	20,000	,750	2	50,50	36
804	806	12,750	,375	2	81,82	36
806	901	20,000	,750	1	69,03	36
801	901	47,000	1,375	2	-0,00	36
806	901	20,000	,625	2	52,67	36
901	902	14,000	,500	1	81,82	36
901	904	14,000	,500	1	81,82	36
901	1004	16,000	,750	1	51,98	36
901	1002	16,000	,750	1	51,98	36
901	1001	47,000	1,375	1	-0,00	36
806	901	20,000	,625	2	52,67	36
901	902	14,000	,500	1	81,82	36
901	904	14,000	,500	1	81,82	36
901	1004	16,000	,750	1	51,98	36
901	1002	16,000	,750	1	51,98	36
803	903	47,000	1,375	2	-0,00	36

801	903	20,000	,500	2	52,67	36
902	903	14,000	,500	2	81,82	36
903	905	14,000	,500	1	81,82	36
903	1005	16,000	,750	1	51,98	36
903	1002	16,000	,750	1	51,98	36
903	1003	47,000	1,375	1	-0,00	36
801	903	20,000	,500	2	52,67	36
902	903	14,000	,500	2	81,82	36
903	905	14,000	,500	1	81,82	36
903	1005	16,000	,750	1	51,98	36
903	1002	16,000	,750	1	51,98	36
806	906	47,000	1,375	2	-0,00	36
803	906	20,000	,625	2	52,67	36
905	906	14,000	,500	2	81,82	36
904	906	14,000	,500	2	81,82	36
906	1005	16,000	,750	1	51,98	36
906	1004	16,000	,750	1	51,98	36
906	1006	47,000	1,375	1	-0,00	36
803	906	20,000	,625	2	52,67	36
905	906	14,000	,500	2	81,82	36
904	906	14,000	,500	2	81,82	36
906	1005	16,000	,750	1	51,98	36
906	1004	16,000	,750	1	51,98	36
901	1001	46,000	1,250	2	-0,00	36
1001	1002	20,000	,625	1	81,82	36
1001	1004	20,000	,625	1	81,82	36
903	1003	46,000	1,250	2	-0,00	36
1002	1003	20,000	,625	2	81,82	36
1003	1005	20,000	,625	1	81,82	36
906	1006	46,000	1,250	2	-0,00	36
1004	1006	20,000	,625	2	81,81	36
1005	1006	20,000	,625	2	81,81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1,275000E+01	5,000000E-01	1,924226E+01	5,671276E+01	3,600000E+01
2	1,275000E+01	7,500000E-01	2,827434E+01	8,014525E+01	3,600000E+01
3	1,275000E+01	1,000000E+00	3,691372E+01	1,006532E+02	3,600000E+01
4	1,600000E+01	7,500000E-01	3,593197E+01	1,308850E+02	3,600000E+01
5	2,000000E+01	1,000000E+00	5,969027E+01	2,700984E+02	3,600000E+01
6	1,275000E+01	3,750000E-01	1,457896E+01	4,381725E+01	3,600000E+01
7	2,000000E+01	7,500000E-01	4,535675E+01	2,104127E+02	3,600000E+01
8	2,000000E+01	7,550000E-01	4,564727E+01	2,116549E+02	3,600000E+01
9	2,000000E+01	6,250000E-01	3,804273E+01	1,786967E+02	3,600000E+01
10	1,400000E+01	5,000000E-01	2,120575E+01	6,910801E+01	3,600000E+01
11	2,000000E+01	5,000000E-01	3,063053E+01	1,456864E+02	3,600000E+01

LOAD CASE	LOAD FACTOR
6	1,330
7	1,330
8	1,330
9	1,330

END OF INFORMATION READ - FORCE

600 RECORDS TO BE SORTED

SAPCHK = CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = S.NAVY 27=771=01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	6			30.00	1.250	.521	1.793		
				201	303	12.75	.500	.032	8.200	2.785	9.625
201	301	201	7			30.00	1.250	.570	1.828		
				201	303	12.75	.500	.317	12.144	4.213	9.625
201	301	201	8			30.00	1.250	.432	.273		
				201	303	12.75	.500	.241	2.783	1.020	9.625
201	301	201	9			30.00	1.250	.403	.420		
				201	303	12.75	.500	.122	1.800	.649	9.625
203	303	203	6			30.00	1.250	.056	2.044		
				203	306	12.75	.500	6.709	5.008	3.881	9.625
203	303	203	7			30.00	1.250	.019	2.278		
				203	306	12.75	.500	7.267	6.206	4.468	9.625
203	303	203	8			30.00	1.250	1.149	.514		
				203	306	12.75	.500	7.307	9.647	5.645	9.625
203	303	203	9			30.00	1.250	1.092	.409		
				203	306	12.75	.500	6.578	8.743	5.102	9.625
206	306	206	6			30.00	1.250	1.021	1.113		
				206	301	12.75	.500	6.254	6.961	4.393	9.625
206	306	206	7			30.00	1.250	1.214	1.524		
				206	301	12.75	.500	8.935	10.536	6.476	9.625
206	306	206	8			30.00	1.250	.182	2.720		
				206	301	12.75	.500	5.855	8.377	4.742	9.625
206	306	206	9			30.00	1.250	.018	3.232		
				206	301	12.75	.500	8.107	6.245	4.755	9.625
201	301	301	6			30.00	1.250	.558	11.527		
				206	301	12.75	.500	6.183	5.899	4.011	9.625
				301	306	12.75	.500	4.781	10.921	6.281	9.625

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL /- -S T R E S S - -/	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
201 301	301	7		30,00	1,250	,606	15,531			
			206 301	12,75	,500	8,865	6,724	5,164	9,040	
			301 306	12,75	,500	5,683	8,815	5,799	9,040	
201 301	301	8		30,00	1,250	,468	10,799			
			206 301	12,75	,500	5,924	18,605	8,226	9,625	BRACE STRESS EXCEEDS 20 KSI
			301 306	12,75	,500	4,866	14,396	7,705	9,625	
201 301	301	9		30,00	1,250	,439	14,062			
			206 301	12,75	,500	8,179	6,079	4,722	9,314	
			301 306	12,75	,500	4,652	12,265	6,767	9,314	
301 401	301	6		30,00	1,250	1,238	11,627			
			301 306	12,75	,750	3,253	7,728	6,589	9,588	
301 401	301	7		30,00	1,250	,315	15,655			
			301 306	12,75	,750	3,8[illegible]8	6,238	6,063	9,068	
301 401	301	8		30,00	1,250	,034	11,896			
			301 306	12,75	,750	3,311	10,187	8,099	9,625	
301 401	301	9		30,00	1,250	1,017	15,259			
			301 306	12,75	,750	3,166	8,679	7,107	9,016	
203 303	303	6		30,00	1,500	,077	12,349			
			201 303	12,75	1,000	,053	14,734	8,339	11,003	
			301 303	12,75	,750	1,745	11,709	6,727	11,003	
203 303	303	7		30,00	1,500	,046	13,433			
			201 303	12,75	1,000	,130	15,791	8,977	10,842	
			301 303	12,75	,750	,337	12,099	6,218	10,842	
203 303	303	8		30,00	1,500	,997	12,418			
			201 303	12,75	1,000	,089	6,455	3,689	10,855	
			301 303	12,75	,750	1,810	11,714	6,762	10,855	
203 303	303	9		30,00	1,500	,948	11,755			
			201 303	12,75	1,000	,027	4,713	2,673	10,991	
			301 303	12,75	,750	,256	10,697	5,477	10,991	
303 403	303	6		30,00	1,250	,263	14,107			
			301 303	12,75	,500	2,565	16,546	7,644	9,336	

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303 403	303	7		30.00	1.250	.147	15.237		
			301 303	12.75	.500	.496	17.098	7.037	9.166
303 403	303	8		30.00	1.250	1.230	14.968		
			301 303	12.75	.500	2.659	16.554	7.685	9.029
303 403	303	9		30.00	1.250	1.209	14.270		
			301 303	12.75	.500	.377	15.117	6.198	9.150
206 306	306	6		30.00	1.250	1.057	14.027		
			203 306	12.75	.750	4.613	4.658	4.619	9.216
			303 306	12.75	.750	2.848	7.645	6.296	9.216
206 306	306	7		30.00	1.250	1.250	17.429		
			203 306	12.75	.750	4.993	6.110	5.542	8.614
			303 306	12.75	.750	2.244	10.630	7.725	8.614
206 306	306	8		30.00	1.250	.218	15.556		
			203 306	12.75	.750	4.924	7.610	6.269	9.101
			303 306	12.75	.750	3.024	5.712	5.241	9.101
206 306	306	9		30.00	1.250	.054	17.608		
			203 306	12.75	.750	4.429	10.690	7.591	8.784
			303 306	12.75	.750	2.161	8.705	6.531	8.784
306 406	306	6		30.00	1.250	1.637	15.557		
			303 306	12.75	.750	2.848	7.645	6.296	8.863
306 406	306	7		30.00	1.250	1.920	19.365		
			303 306	12.75	.750	2.244	10.630	7.725	8.177
306 406	306	8		30.00	1.250	.201	15.567		
			303 306	12.75	.750	3.024	5.712	5.241	9.101
306 406	306	9		30.00	1.250	.311	17.619		
			303 306	12.75	.750	2.161	8.705	6.531	8.739
401 501	501	6		48.00	1.750	.172	9.003		
			501 504	16.00	.750	7.520	8.615	6.606	8.733
			501 502	16.00	.750	1.455	7.582	3.682	8.733
			501 642	20.00	1.000	4.434	5.124	4.527	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	7			48.00	1.750	4.167	6.269		
				501	504	16.00	.750	8.742	9.637	7.527	8.733
				501	502	16.00	.750	3.700	4.632	3.410	8.733
				501	642	20.00	1.000	.189	6.173	3.066	8.733
401	501	501	8			48.00	1.750	.724	8.618		
				501	504	16.00	.750	6.939	9.699	6.807	8.733
				501	502	16.00	.750	.533	6.408	2.824	8.733
				501	642	20.00	1.000	4.240	4.495	4.134	8.733
401	501	501	9			48.00	1.750	4.763	7.721		
				501	504	16.00	.750	8.082	10.714	7.692	8.733
				501	502	16.00	.750	4.931	4.233	3.756	8.733
				501	642	20.00	1.000	.187	6.311	3.132	8.733
501	601	501	6			48.00	1.750	.868	8.097		
				501	504	16.00	.750	7.520	8.615	6.606	8.733
				501	502	16.00	.750	1.455	7.582	3.682	8.733
				501	642	20.00	1.000	4.434	5.124	4.527	8.733
501	601	501	7			48.00	1.750	4.089	7.457		
				501	504	16.00	.750	8.742	9.637	7.527	8.733
				501	502	16.00	.750	3.700	4.632	3.410	8.733
				501	642	20.00	1.000	.189	6.173	3.066	8.733
501	601	501	8			48.00	1.750	1.298	7.771		
				501	504	16.00	.750	6.939	9.699	6.807	8.733
				501	502	16.00	.750	.533	6.408	2.824	8.733
				501	642	20.00	1.000	4.240	4.495	4.134	8.733
501	601	501	9			48.00	1.750	4.530	6.947		
				501	504	16.00	.750	8.082	10.714	7.692	8.733
				501	502	16.00	.750	4.931	4.233	3.756	8.733
				501	642	20.00	1.000	.187	6.311	3.132	8.733
403	503	503	6			48.00	1.750	6.919	6.001		
				502	503	16.00	.750	.853	3.740	1.872	8.691
				503	505	16.00	.750	5.059	7.073	4.963	8.691
				503	645	20.00	1.000	9.357	5.571	7.024	8.691
403	503	503	7			48.00	1.750	4.341	8.641		
				502	503	16.00	.750	3.844	2.857	2.749	8.681
				503	505	16.00	.750	3.759	7.782	4.715	8.681
				503	645	20.00	1.000	9.289	5.746	7.077	8.681

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
403	503	503	8			48,00	1,750	7,408	6,330		
				502	503	16,00	,750	,069	5,114	2,107	8,566
				503	505	16,00	,750	5,619	9,179	6,051	8,566
				503	645	20,00	1,000	9,751	6,762	7,781	8,566
403	503	503	9			48,00	1,750	4,672	8,432		
				502	503	16,00	,750	5,055	2,863	3,251	8,663
				503	505	16,00	,750	4,086	9,142	5,403	8,663
				503	645	20,00	1,000	9,040	6,604	7,376	8,663
503	603	503	6			48,00	1,750	5,472	5,419		
				502	503	16,00	,750	,853	3,740	1,872	8,733
				503	505	16,00	,750	5,059	7,073	4,963	8,733
				503	645	20,00	1,000	9,357	5,571	7,024	8,733
503	603	503	7			48,00	1,750	2,983	7,751		
				502	503	16,00	,750	3,844	2,857	2,749	8,733
				503	505	16,00	,750	3,759	7,782	4,715	8,733
				503	645	20,00	1,000	9,289	5,746	7,077	8,733
503	603	503	8			48,00	1,750	5,802	5,578		
				502	503	16,00	,750	,069	5,114	2,107	8,733
				503	505	16,00	,750	5,619	9,179	6,051	8,733
				503	645	20,00	1,000	9,751	6,762	7,781	8,733
503	603	503	9			48,00	1,750	3,233	7,471		
				502	503	16,00	,750	5,055	2,863	3,251	8,733
				503	505	16,00	,750	4,086	9,142	5,403	8,733
				503	645	20,00	1,000	9,040	6,604	7,376	8,733
406	506	506	6			48,00	1,750	7,881	4,196		
				505	506	16,00	,750	4,252	9,914	5,785	8,733
				504	506	16,00	,750	7,810	7,827	6,406	8,733
				506	644	20,00	1,000	6,540	6,918	6,368	8,733
406	506	506	7			48,00	1,750	9,208	5,125		
				505	506	16,00	,750	2,963	9,905	5,249	8,476
				504	506	16,00	,750	9,388	9,781	7,852	8,476
				506	644	20,00	1,000	9,424	7,087	7,786	8,476
406	506	506	8			48,00	1,750	7,494	4,438		
				505	506	16,00	,750	4,810	8,807	5,565	8,733
				504	506	16,00	,750	7,218	6,262	5,525	8,733
				506	644	20,00	1,000	6,541	6,163	6,004	8,733

SAPCHK - CREST OFFSHORE, INC., STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/--S T R E S S--/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
406	506	506	9			48.00	1.750	8.714	4.962		
				505	506	16.00	.750	3.309	7.972	4.607	8.576
				504	506	16.00	.750	8.716	7.879	6.802	8.576
				506	644	20.00	1.000	9.244	6.162	7.257	8.576
506	606	506	6			48.00	1.750	6.985	2.995		
				505	506	16.00	.750	4.252	9.914	5.785	8.733
				504	506	16.00	.750	7.810	7.827	6.406	8.733
				506	644	20.00	1.000	6.540	6.918	6.368	8.733
506	606	506	7			48.00	1.750	7.911	3.737		
				505	506	16.00	.750	2.963	9.905	5.249	8.733
				504	506	16.00	.750	9.388	9.781	7.852	8.733
				506	644	20.00	1.000	9.424	7.087	7.786	8.733
506	606	506	8			48.00	1.750	6.665	3.446		
				505	506	16.00	.750	4.810	8.807	5.565	8.733
				504	506	16.00	.750	7.218	6.262	5.525	8.733
				506	644	20.00	1.000	6.541	6.163	6.004	8.733
506	606	506	9			48.00	1.750	7.501	3.828		
				505	506	16.00	.750	3.309	7.972	4.607	8.733
				504	506	16.00	.750	8.716	7.879	6.802	8.733
				506	644	20.00	1.000	9.244	6.162	7.257	8.733
651	701	701	6			47.00	1.500	1.181	.918		
				701	702	12.75	.375	4.145	3.732	1.883	7.930
				644	701	20.00	.750	8.612	4.772	2.901	7.930
				701	704	12.75	.375	2.607	2.493	1.219	7.930
				701	806	20.00	.750	6.319	4.522	4.576	7.930
651	701	701	7			47.00	1.500	5.205	.225		
				701	702	12.75	.375	3.358	2.930	1.504	7.930
				644	701	20.00	.750	12.407	3.395	3.353	7.930
				701	704	12.75	.375	.506	1.535	.486	7.930
				701	806	20.00	.750	10.167	4.408	6.134	7.930
651	701	701	8			47.00	1.500	1.474	.932		
				701	702	12.75	.375	4.535	2.309	1.640	7.930
				644	701	20.00	.750	8.602	4.750	2.894	7.930
				701	704	12.75	.375	1.960	3.586	1.322	7.930
				701	806	20.00	.750	6.164	4.982	4.708	7.930

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
651	701	701	9			47.00	1.500	5.518	.202		
				701	702	12.75	.375	4.184	2.943	1.706	7.930
				644	701	20.00	.750	12.162	3.217	3.261	7.930
				701	704	12.75	.375	.525	3.970	1.068	7.930
				701	806	20.00	.750	10.184	5.637	6.668	7.930
701	801	701	6			47.00	1.500	.640	.799		
				701	702	12.75	.375	4.145	3.732	1.883	7.930
				644	701	20.00	.750	8.612	4.772	2.901	7.930
				701	704	12.75	.375	2.607	2.493	1.219	7.930
				701	806	20.00	.750	6.319	4.522	4.576	7.930
701	801	701	7			47.00	1.500	2.463	.311		
				701	702	12.75	.375	3.358	2.930	1.504	7.930
				644	701	20.00	.750	12.407	3.395	3.353	7.930
				701	704	12.75	.375	.506	1.535	.486	7.930
				701	806	20.00	.750	10.167	4.408	6.134	7.930
701	801	701	8			47.00	1.500	.389	.848		
				701	702	12.75	.375	4.535	2.309	1.640	7.930
				644	701	20.00	.750	8.602	4.750	2.894	7.930
				701	704	12.75	.375	1.960	3.586	1.322	7.930
				701	806	20.00	.750	6.164	4.982	4.708	7.930
701	801	701	9			47.00	1.500	2.757	.364		
				701	702	12.75	.375	4.184	2.943	1.706	7.930
				644	701	20.00	.750	12.162	3.217	3.261	7.930
				701	704	12.75	.375	.525	3.970	1.068	7.930
				701	806	20.00	.750	10.184	5.637	6.668	7.930
653	703	703	6			47.00	1.500	6.960	1.697		
				642	703	20.00	.750	5.842	7.207	3.966	7.930
				702	703	12.75	.375	4.878	3.139	1.919	7.930
				703	801	20.00	.750	5.737	8.178	5.898	7.930
				703	705	12.75	.375	.984	2.448	.817	7.930
653	703	703	7			47.00	1.500	3.863	1.449		
				642	703	20.00	.750	.255	6.580	2.149	7.930
				702	703	12.75	.375	3.327	2.194	1.322	7.930
				703	801	20.00	.750	.327	6.693	3.003	7.930
				703	705	12.75	.375	1.549	2.603	.990	7.930

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
653 703	703	8		47,00	1,500	7,062	1,546		
			642 703	20,00	,750	5,575	7,027	3,832	7,930
			702 703	12,75	,375	5,271	4,485	2,333	7,930
			703 801	20,00	,750	5,501	8,731	6,037	7,930
			703 705	12,75	,375	1,018	4,778	1,378	7,930
653 703	703	9		47,00	1,500	3,870	1,295		
			642 703	20,00	,750	,250	6,420	2,097	7,930
			702 703	12,75	,375	4,148	2,411	1,571	7,930
			703 801	20,00	,750	,144	6,855	2,996	7,930
			703 705	12,75	,375	1,684	4,543	1,483	7,930
703 803	703	6		47,00	1,500	5,561	1,473		
			642 703	20,00	,750	5,842	7,207	3,966	7,930
			702 703	12,75	,375	4,878	3,139	1,919	7,930
			703 801	20,00	,750	5,737	8,178	5,898	7,930
			703 705	12,75	,375	,984	2,448	,817	7,930
703 803	703	7		47,00	1,500	3,790	1,204		
			642 703	20,00	,750	,255	6,580	2,149	7,930
			702 703	12,75	,375	3,327	2,194	1,322	7,930
			703 801	20,00	,750	,327	6,693	3,003	7,930
			703 705	12,75	,375	1,549	2,603	,990	7,930
703 803	703	8		47,00	1,500	5,673	1,419		
			642 703	20,00	,750	5,575	7,027	3,832	7,930
			702 703	12,75	,375	5,271	4,485	2,333	7,930
			703 801	20,00	,750	5,501	8,731	6,037	7,930
			703 705	12,75	,375	1,018	4,778	1,378	7,930
703 803	703	9		47,00	1,500	3,862	1,189		
			642 703	20,00	,750	,250	6,420	2,097	7,930
			702 703	12,75	,375	4,148	2,411	1,571	7,930
			703 801	20,00	,750	,144	6,855	2,996	7,930
			703 705	12,75	,375	1,684	4,543	1,483	7,930
706 806	706	6		47,00	1,500	5,338	,736		
			645 706	20,00	,750	12,308	,927	3,861	7,930
			705 706	12,75	,375	2,445	4,433	1,640	7,930
			706 803	20,00	,750	11,180	6,269	7,354	7,930
			704 706	12,75	,375	3,374	4,294	1,831	7,930

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	7			47.00	1.500	6.521	1.209		
				645	706	20.00	.750	12.218	3.887	4.768	7.930
				705	706	12.75	.375	2.810	4.648	1.779	7.930
				706	803	20.00	.750	10.442	7.574	7.605	7.930
				704	706	12.75	.375	1.792	5.249	1.676	7.930
706	806	706	8			47.00	1.500	5.044	.723		
				645	706	20.00	.750	12.838	2.053	4.369	7.930
				705	706	12.75	.375	2.475	2.269	1.134	7.930
				706	803	20.00	.750	11.026	4.985	6.740	7.930
				704	706	12.75	.375	2.716	3.441	1.470	7.930
706	806	706	9			47.00	1.500	6.249	1.178		
				645	706	20.00	.750	11.902	4.302	4.807	7.930
				705	706	12.75	.375	2.919	2.521	1.301	7.930
				706	803	20.00	.750	10.149	6.634	7.080	7.930
				704	706	12.75	.375	1.788	3.819	1.336	7.930
656	706	706	6			47.00	1.500	8.234	.570		
				645	706	20.00	.750	12.308	.927	3.861	7.930
				705	706	12.75	.375	2.445	4.433	1.640	7.930
				706	803	20.00	.750	11.180	6.269	7.358	7.930
				704	706	12.75	.375	3.374	4.294	1.831	7.930
656	706	706	7			47.00	1.500	9.333	1.195		
				645	706	20.00	.750	12.218	3.887	4.768	7.930
				705	706	12.75	.375	2.810	4.648	1.779	7.930
				706	803	20.00	.750	10.442	7.574	7.605	7.930
				704	706	12.75	.375	1.792	5.249	1.676	7.930
656	706	706	8			47.00	1.500	7.954	.599		
				645	706	20.00	.750	12.838	2.053	4.369	7.930
				705	706	12.75	.375	2.475	2.269	1.134	7.930
				706	803	20.00	.750	11.026	4.985	6.740	7.930
				704	706	12.75	.375	2.716	3.441	1.470	7.930
656	706	706	9			47.00	1.500	8.946	1.237		
				645	706	20.00	.750	11.902	4.302	4.807	7.930
				705	706	12.75	.375	2.919	2.521	1.301	7.930
				706	803	20.00	.750	10.149	6.634	7.080	7.930
				704	706	12.75	.375	1.788	3.819	1.336	7.930

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801	801	6			47.00	1.500	.615	.765		
				801	804	12.75	.375	4.399	2.841	1.733	7.930
				703	801	20.00	.750	5.731	3.525	3.056	7.930
				801	802	12.75	.375	1.108	4.232	1.270	7.930
				801	903	20.00	.750	5.047	4.057	3.982	7.930
701	801	801	7			47.00	1.500	2.488	.877		
				801	804	12.75	.375	3.709	2.704	1.535	7.930
				703	801	20.00	.750	.321	6.338	2.272	7.930
				801	802	12.75	.375	3.056	1.884	1.183	7.930
				801	903	20.00	.750	.116	5.368	2.405	7.930
701	801	801	8			47.00	1.500	.414	.738		
				801	804	12.75	.375	3.858	4.236	1.934	7.930
				703	801	20.00	.750	5.506	3.797	3.077	7.930
				801	802	12.75	.375	1.510	2.659	.994	7.930
				801	903	20.00	.750	4.963	3.730	3.802	7.930
701	801	801	9			47.00	1.500	2.731	.756		
				801	804	12.75	.375	3.750	4.954	2.078	7.930
				703	801	20.00	.750	.138	6.416	2.240	7.930
				801	802	12.75	.375	3.712	2.059	1.382	7.930
				801	903	20.00	.750	.218	5.851	2.662	7.930
801	901	801	6			47.00	1.500	.602	.929		
				801	804	12.75	.375	4.399	2.841	1.733	7.930
				703	801	20.00	.750	5.731	3.525	3.056	7.930
				801	802	12.75	.375	1.108	4.232	1.270	7.930
				801	903	20.00	.750	5.047	4.057	3.982	7.930
801	901	801	7			47.00	1.500	2.540	.820		
				801	804	12.75	.375	3.709	2.704	1.535	7.930
				703	801	20.00	.750	.321	6.338	2.272	7.930
				801	802	12.75	.375	3.056	1.884	1.183	7.930
				801	903	20.00	.750	.116	5.368	2.405	7.930
801	901	801	8			47.00	1.500	.720	.751		
				801	804	12.75	.375	3.858	4.236	1.934	7.930
				703	801	20.00	.750	5.506	3.797	3.077	7.930
				801	802	12.75	.375	1.510	2.659	.994	7.930
				801	903	20.00	.750	4.963	3.730	3.802	7.930

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	901 801	9		47,00	1,500	2,671	,600		
			801 804	12,75	,375	3,750	4,954	2,078	7,930
			703 801	20,00	,750	,138	6,416	2,240	7,930
			801 802	12,75	,375	3,712	2,059	1,382	7,930
			801 903	20,00	,750	,218	5,851	2,662	7,930
703	803 803	6		47,00	1,500	5,586	,408		
			802 803	12,75	,375	1,759	3,904	1,349	7,930
			706 803	20,00	,755	11,114	1,858	4,252	7,930
			803 805	12,75	,375	3,697	1,434	1,231	7,930
			803 906	20,00	,755	10,338	5,406	6,928	7,930
703	803 803	7		47,00	1,500	3,816	,776		
			802 803	12,75	,375	3,074	2,117	1,242	7,930
			706 803	20,00	,755	10,382	2,299	4,166	7,930
			803 805	12,75	,375	1,371	2,342	,886	7,930
			803 906	20,00	,755	9,363	4,726	6,209	7,930
703	803 803	8		47,00	1,500	5,647	,266		
			802 803	12,75	,375	2,159	4,787	1,655	7,930
			706 803	20,00	,755	10,949	,944	3,884	7,930
			803 805	12,75	,375	3,229	5,233	2,018	7,930
			803 906	20,00	,755	10,272	6,294	7,292	7,930
703	803 803	9		47,00	1,500	3,836	,660		
			802 803	12,75	,375	3,727	1,887	1,345	7,930
			706 803	20,00	,755	10,075	1,911	3,933	7,930
			803 805	12,75	,375	1,284	5,028	1,501	7,930
			803 906	20,00	,755	9,219	5,554	6,502	7,930
803	903 803	6		47,00	1,500	3,218	,730		
			802 803	12,75	,375	1,759	3,904	1,349	7,930
			706 803	20,00	,750	11,165	1,669	4,251	7,930
			803 805	12,75	,375	3,697	1,434	1,231	7,930
			803 906	20,00	,750	10,404	5,438	6,925	7,930
803	903 803	7		47,00	1,500	1,637	,967		
			802 803	12,75	,375	3,074	2,117	1,242	7,930
			706 803	20,00	,750	10,448	2,313	4,165	7,930
			803 805	12,75	,375	1,371	2,342	,886	7,930
			803 906	20,00	,750	9,443	4,754	6,206	7,930

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903	803	8			47,00	1,500	3,271	,670		
				802	803	12,75	,375	2,159	4,787	1,655	7,930
				706	803	20,00	,750	11,019	,949	3,882	7,930
				803	805	12,75	,375	3,229	5,233	2,018	7,930
				803	906	20,00	,750	10,338	6,331	7,289	7,930
803	903	803	9			47,00	1,500	1,671	,977		
				802	803	12,75	,375	3,727	1,687	1,345	7,930
				706	803	20,00	,750	10,139	1,923	3,931	7,930
				803	805	12,75	,375	1,284	5,028	1,501	7,930
				803	906	20,00	,750	9,278	5,587	6,499	7,930
706	806	806	6			47,00	1,500	5,313	,471		
				805	806	12,75	,375	2,491	5,388	1,878	7,930
				701	806	20,00	,750	6,311	6,976	4,425	7,930
				804	806	12,75	,375	4,991	4,132	2,182	7,930
				806	901	20,00	,750	5,860	7,529	5,860	7,930
706	806	806	7			47,00	1,500	6,496	,130		
				805	806	12,75	,375	,324	5,219	[illegible]	7,930
				701	806	20,00	,750	10,163	4,275	[illegible]	7,930
				804	806	12,75	,375	4,738	5,111	[illegible]	7,930
				806	901	20,00	,750	9,502	7,053	7,240	7,930
706	806	806	8			47,00	1,500	5,069	,510		
				805	806	12,75	,375	2,034	2,918	1,182	7,930
				701	806	20,00	,750	6,170	6,777	4,311	7,930
				804	806	12,75	,375	4,434	2,097	1,565	7,930
				806	901	20,00	,750	5,860	6,622	5,462	7,930
706	806	806	9			47,00	1,500	6,274	,230		
				805	806	12,75	,375	,244	3,351	,853	7,930
				701	806	20,00	,750	10,191	4,482	4,824	7,930
				804	806	12,75	,375	4,771	2,471	1,735	7,930
				806	901	20,00	,750	9,459	6,200	6,847	7,930
806	906	806	6			47,00	1,500	3,950	,384		
				805	806	12,75	,375	2,491	5,388	1,878	7,930
				701	806	20,00	,750	6,311	6,976	4,425	7,930
				804	806	12,75	,375	4,991	4,132	2,182	7,930
				806	901	20,00	,750	5,860	7,529	5,860	7,930

SAPCHK - CHEST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	806	7			47,00	1,500	4,310	,490		
				805	806	12,75	,375	,324	5,219	1,316	7,930
				701	806	20,00	,750	10,163	4,275	4,744	7,930
				804	806	12,75	,375	4,738	5,111	2,353	7,930
				806	901	20,00	,750	9,502	7,053	7,240	7,930
806	906	806	8			47,00	1,500	3,762	,342		
				805	806	12,75	,375	2,034	2,918	1,182	7,930
				701	806	20,00	,750	6,170	6,777	4,311	7,930
				804	806	12,75	,375	4,434	2,097	1,565	7,930
				806	901	20,00	,750	5,860	6,622	5,462	7,930
806	906	806	9			47,00	1,500	4,120	,517		
				805	806	12,75	,375	,244	3,351	,853	7,930
				701	806	20,00	,750	10,191	4,482	4,824	7,930
				804	806	12,75	,375	4,771	2,471	1,735	7,930
				806	901	20,00	,750	9,459	6,200	6,847	7,930
801	901	901	6			47,00	1,375	,684	1,126		
				806	901	20,00	,625	6,993	4,786	3,706	7,447
				901	902	14,00	,500	5,506	3,603	3,171	7,447
				901	904	14,00	,500	3,239	2,997	2,168	7,447
				901	1004	16,00	,750	7,139	1,325	3,108	7,447
				901	1002	16,00	,750	6,719	2,155	3,274	7,447
801	901	901	7			47,00	1,375	2,792	,689		
				806	901	20,00	,625	11,338	2,958	4,452	7,447
				901	902	14,00	,500	1,959	1,003	1,032	7,447
				901	904	14,00	,500	6,133	2,585	3,040	7,447
				901	1004	16,00	,750	12,028	2,129	5,197	7,447
				901	1002	16,00	,750	,262	1,838	,801	7,447
801	901	901	8			47,00	1,375	,754	1,004		
				806	901	20,00	,625	6,981	4,829	3,716	7,447
				901	902	14,00	,500	5,019	2,477	2,613	7,4[illegible]
				901	904	14,00	,500	2,891	3,231	2,127	7,447
				901	1004	16,00	,750	6,888	1,678	3,152	7,447
				901	1002	16,00	,750	6,597	1,649	3,112	7,447
801	901	901	9			47,00	1,375	2,878	,599		
				806	901	20,00	,625	11,270	3,027	4,453	7,447
				901	902	14,00	,500	1,106	1,444	,885	7,447
				901	904	14,00	,500	6,430	3,893	3,596	7,447
				901	1004	16,00	,750	11,868	2,419	5,250	7,447
				901	1002	16,00	,750	,002	2,058	,791	7,447

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901 1001	901	6		47,00	1,375	,016	1,098		
			806 901	20,00	,625	6,993	4,786	3,706	7,447
			901 902	14,00	,500	5,506	3,603	3,171	7,447
			901 904	14,00	,500	3,239	2,997	2,168	7,447
			901 1004	16,00	,750	7,139	1,325	3,108	7,447
			901 1002	16,00	,750	6,719	2,155	3,274	7,447
901 1001	901	7		47,00	1,375	,297	,733		
			806 901	20,00	,625	11,338	2,958	4,452	7,447
			901 902	14,00	,500	1,959	1,003	1,032	7,447
			901 904	14,00	,500	6,133	2,585	3,040	7,447
			901 1004	16,00	,750	12,028	2,129	5,197	7,447
			901 1002	16,00	,750	,262	1,638	,801	7,447
901 1001	901	8		47,00	1,375	,028	1,036		
			806 901	20,00	,625	6,981	4,629	3,716	7,447
			901 902	14,00	,500	5,019	2,477	2,613	7,447
			901 904	14,00	,500	2,891	3,231	2,127	7,447
			901 1004	16,00	,750	6,868	1,678	3,15[illegible]	7,447
			901 1002	16,00	,750	6,597	1,849	3,11[illegible]	7,447
901 1001	901	9		47,00	1,375	,343	,735		
			806 901	20,00	,625	11,270	3,027	4,453	7,447
			901 902	14,00	,500	1,106	1,444	,885	7,447
			901 904	14,00	,500	6,430	3,893	3,596	7,447
			901 1004	16,00	,750	11,868	2,419	5,250	7,447
			901 1002	16,00	,750	,002	2,058	,791	7,447
803 903	903	6		47,00	1,375	3,530	1,060		
			801 903	20,00	,500	7,490	11,275	4,771	7,447
			902 903	14,00	,500	5,077	4,047	3,174	7,447
			903 905	14,00	,500	8,426	1,735	3,551	7,447
			903 1005	16,00	,750	13,544	3,666	6,416	7,447
			903 1002	16,00	,750	6,774	3,692	3,884	7,447
803 903	903	7		47,00	1,375	1,809	1,229		
			801 903	20,00	,500	,165	9,545	2,517	7,447
			902 903	14,00	,500	1,923	1,082	1,047	7,447
			903 905	14,00	,500	7,953	1,620	3,345	7,447
			903 1005	16,00	,750	12,206	3,412	5,755	7,447
			903 1002	16,00	,750	,299	2,599	1,107	7,447

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
803	903 903	8		47,00	1,375	3,530	1,147		
			801 903	20,00	,500	7,335	11,032	4,670	7,447
			902 903	14,00	,500	4,594	4,592	3,124	7,447
			903 905	14,00	,500	7,739	3,818	4,028	7,447
			903 1005	16,00	,750	13,268	4,063	6,391	7,447
			903 1002	16,00	,750	6,663	3,690	3,843	7,447
803	903 903	9		47,00	1,375	1,789	1,358		
			801 903	20,00	,500	,334	9,552	2,560	7,447
			902 903	14,00	,500	1,074	1,570	,918	7,447
			903 905	14,00	,500	7,568	3,659	3,920	7,447
			903 1005	16,00	,750	11,859	3,613	5,705	7,447
			903 1002	16,00	,750	,036	2,529	,984	7,447
903	1003 903	6		47,00	1,375	,499	1,246		
			801 903	20,00	,500	7,490	11,275	4,771	7,447
			902 903	14,00	,500	5,077	4,047	3,174	7,447
			903 905	14,00	,500	8,426	1,735	3,551	7,447
			903 1005	16,00	,750	13,544	3,866	6,416	7,447
			903 1002	16,00	,750	6,774	3,692	3,88[illegible]	7,447
903	1003 903	7		47,00	1,375	,329	1,305		
			801 903	20,00	,500	,165	9,545	2,517	7,447
			902 903	14,00	,500	1,923	1,082	1,047	7,447
			903 905	14,00	,500	7,953	1,620	3,345	7,447
			903 1005	16,00	,750	12,206	3,412	5,755	7,447
			903 1002	16,00	,750	,299	2,599	1,107	7,447
903	1003 903	8		47,00	1,375	,532	1,324		
			801 903	20,00	,500	7,335	11,032	4,670	7,447
			902 903	14,00	,500	4,594	4,592	3,124	7,447
			903 905	14,00	,500	7,739	3,818	4,028	7,447
			903 1005	16,00	,750	13,268	4,063	6,391	7,447
			903 1002	16,00	,750	6,663	3,690	3,843	7,447
903	1003 .03	9		47,00	1,375	,357	1,426		
			801 903	20,00	,500	,334	9,552	2,560	7,447
			902 903	14,00	,500	1,074	1,570	,918	7,447
			903 905	14,00	,500	7,568	3,659	3,920	7,447
			903 1005	16,00	,750	11,859	3,613	5,705	7,447
			903 1002	16,00	,750	,036	2,529	,984	7,447

SAPCHK - CREST OFFSHORE, INC,   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S,NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/--S T R E S S--/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	906	906	6			47,00	1,375	4,269	,170		
				803	906	20,00	,625	12,393	,385	3,943	7,447
				905	906	14,00	,500	7,680	4,221	4,146	7,447
				904	906	14,00	,500	3,600	3,282	2,393	7,447
				906	1005	16,00	,750	13,602	2,695	5,987	7,447
				906	1004	16,00	,750	7,143	3,367	3,893	7,447
806	906	906	7			47,00	1,375	4,660	,794		
				803	906	20,00	,625	11,251	4,945	5,069	7,447
				905	906	14,00	,500	7,288	4,642	4,154	7,447
				904	906	14,00	,500	6,765	3,810	3,684	7,447
				906	1005	16,00	,750	12,272	3,011	5,624	7,447
				906	1004	16,00	,750	11,993	3,838	5,840	7,447
806	906	906	8			47,00	1,375	4,121	,425		
				803	906	20,00	,625	12,331	1,095	4,154	7,447
				905	906	14,00	,500	6,996	2,400	3,279	7,447
				904	906	14,00	,500	3,243	1,603	1,689	7,447
				906	1005	16,00	,750	13,318	2,369	5,759	7,447
				906	1004	16,00	,750	6,883	2,945	3,637	7,447
806	906	906	9			47,00	1,375	4,511	,822		
				803	906	20,00	,625	11,068	5,224	5,104	7,447
				905	906	14,00	,500	6,926	3,296	3,564	7,447
				904	906	14,00	,500	7,056	1,608	3,027	7,447
				906	1005	16,00	,750	11,919	2,850	5,434	7,447
				906	1004	16,00	,750	11,828	3,527	5,661	7,447
906	1006	906	6			47,00	1,375	,530	,471		
				803	906	20,00	,625	12,393	,385	3,943	7,447
				905	906	14,00	,500	7,680	4,221	4,146	7,447
				904	906	14,00	,500	3,600	3,282	2,393	7,447
				906	1005	16,00	,750	13,602	2,695	5,987	7,447
				906	1004	16,00	,750	7,143	3,367	3,893	7,447
906	1006	906	7			47,00	1,375	,595	,960		
				803	906	20,00	,625	11,251	4,945	5,069	7,447
				905	906	14,00	,500	7,288	4,642	4,154	7,447
				904	906	14,00	,500	6,765	3,810	3,684	7,447
				906	1005	16,00	,750	12,272	3,011	5,624	7,447
				906	1004	16,00	,750	11,993	3,838	5,840	7,447

SAPCHK - CREST OFFSHORE, INC., STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906 1006	906	8		47.00	1.375	.474	.641		
			803 906	20.00	.625	12.331	1.095	4.154	7.447
			905 906	14.00	.500	6.996	2.400	3.279	7.447
			904 906	14.00	.500	3.243	1.603	1.689	7.447
			906 1005	16.00	.750	13.318	2.369	5.759	7.447
			906 1004	16.00	.750	6.883	2.945	3.637	7.447
906 1006	906	9		47.00	1.375	.544	1.008		
			803 906	20.00	.625	11.068	5.224	5.104	7.447
			905 906	14.00	.500	6.926	3.296	3.564	7.447
			904 906	14.00	.500	7.056	1.608	3.027	7.447
			906 1005	16.00	.750	11.919	2.850	5.434	7.447
			906 1004	16.00	.750	11.828	3.527	5.661	7.447
901 1001	1001	6		46.00	1.250	.014	.175		
			1001 1002	20.00	.625	.219	6.089	2.992	7.062
			1001 1004	20.00	.625	.358	6.339	3.178	7.062
901 1001	1001	7		46.00	1.250	.366	.353		
			1001 1002	20.00	.625	5.925	2.305	3.948	7.062
			1001 1004	20.00	.625	5.875	4.097	4.773	7.062
901 1001	1001	8		46.00	1.250	.001	.157		
			1001 1002	20.00	.625	.067	5.314	2.552	7.062
			1001 1004	20.00	.625	.043	5.496	2.627	7.062
901 1001	1001	9		46.00	1.250	.352	.327		
			1001 1002	20.00	.625	5.777	1.599	3.541	7.062
			1001 1004	20.00	.625	5.464	3.620	4.349	7.062
903 1003	1003	6		46.00	1.250	.592	.499		
			1002 1003	20.00	.625	9.360	3.200	6.027	7.062
			1003 1005	20.00	.625	9.569	4.069	6.539	7.062
903 1003	1003	7		46.00	1.250	.400	.326		
			1002 1003	20.00	.625	6.296	1.948	3.957	7.062
			1003 1005	20.00	.625	6.530	3.801	4.948	7.062
903 1003	1003	8		46.00	1.250	.564	.488		
			1002 1003	20.00	.625	8.904	2.774	5.605	7.062
			1003 1005	20.00	.625	8.947	3.790	6.107	7.062

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE PRIMARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003 1003	9		46.00	1.250	.369	.297		
			1002 1003	20.00	.625	5.798	2.373	3.919	7.062
			1003 1005	20.00	.625	5.858	4.029	4.733	7.062
906	1006 1006	6		46.00	1.250	.563	.521		
			1004 1006	20.00	.625	9.275	3.306	6.036	7.062
			1005 1006	20.00	.625	8.738	3.943	6.079	7.062
906	1006 1006	7		46.00	1.250	.635	.593		
			1004 1006	20.00	.625	10.324	3.593	6.677	7.062
			1005 1006	20.00	.625	9.967	3.468	6.446	7.062
906	1006 1006	8		46.00	1.250	.564	.512		
			1004 1006	20.00	.625	9.257	2.610	5.697	7.062
			1005 1006	20.00	.625	8.988	3.569	6.022	7.062
906	1006 1006	9		46.00	1.250	.642	.576		
			1004 1006	20.00	.625	10.523	3.335	6.651	7.062
			1005 1006	20.00	.625	10.185	3.313	6.477	7.062

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.4

SAPACHK - Secondary Joints

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	16.000	.500	2	-0.00	36
502	504	10.750	.365	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	16.000	.500	2	-0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
504	505	16.000	.500	1	-0.00	36
502	504	10.750	.365	2	60.00	36
504	505	10.750	.365	1	60.00	36
701	702	12.750	.375	2	-0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	-0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
704	706	12.750	.375	1	-0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
801	802	12.750	.375	2	-0.00	36
802	805	10.750	.365	1	60.00	36
802	804	10.750	.365	1	60.00	36
803	805	12.750	.375	2	-0.00	36
802	805	10.750	.365	2	60.00	36
804	805	10.750	.365	2	60.00	36
804	806	12.750	.375	1	-0.00	36
802	804	10.750	.365	2	60.00	36
804	805	10.750	.365	1	60.00	36
901	902	14.000	.500	2	-0.00	36
902	904	10.750	.365	1	60.00	36
902	905	10.750	.365	1	60.00	36
901	904	14.000	.500	2	-0.00	36
902	904	10.750	.365	2	60.00	36
904	905	10.750	.365	1	60.00	36
905	906	14.000	.500	1	-0.00	36
902	905	10.750	.365	2	60.00	36
904	905	10.750	.365	2	60.00	36
1001	1002	24.000	.875	2	-0.00	36
901	1002	16.000	.750	2	46.20	36
1002	1004	14.000	.375	1	60.00	36
1002	1003	24.000	.875	1	-0.00	36
903	1002	16.000	.750	2	46.20	36
1002	1005	14.000	.375	1	60.00	36
1003	1005	24.000	.875	2	-0.00	36
903	1005	16.000	.750	2	46.20	36
1002	1005	14.000	.375	2	60.00	36
1005	1006	24.000	.675	1	-0.00	36
906	1005	16.000	.750	2	46.20	36
1004	1005	14.000	.375	2	60.00	36
1001	1004	24.000	.875	2	-0.00	36
901	1004	16.000	.750	2	46.20	36
1002	1004	14.000	.375	2	60.00	36
1004	1006	24.000	.675	1	-0.00	36

906	1004	16,000	.750	2	46.20	36
1004	1005	14,000	.375	1	60.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190829E+01	2.990404E+01	3.600000E+01
2	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
3	1.400000E+01	3.750000E-01	1.605159E+01	5.325145E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ - FORCE

216 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	6			16.00	.500	2.148	5.842		
				502	504	10.75	.365	.541	6.150	4.052	7.914
				502	505	10.75	.365	2.263	9.652	7.172	7.914
501	502	502	7			16.00	.500	5.460	6.595		
				502	504	10.75	.365	.747	5.495	3.773	7.914
				502	505	10.75	.365	1.533	6.695	4.954	7.914
501	502	502	8			16.00	.500	.786	5.738		
				502	504	10.75	.365	.580	6.386	4.218	7.914
				502	505	10.75	.365	2.256	9.684	7.188	7.914
501	502	502	9			16.00	.500	7.277	6.568		
				502	504	10.75	.365	.747	5.789	3.950	7.748
				502	505	10.75	.365	1.447	6.648	4.876	7.748
503	505	505	6			16.00	.500	7.466	2.235		
				502	505	10.75	.365	2.264	2.321	2.713	7.914
				504	505	10.75	.365	1.652	5.297	4.160	7.914
503	505	505	7			16.00	.500	5.550	2.371		
				502	505	10.75	.365	1.535	4.608	3.68[illegible]	7.914
				504	505	10.75	.365	2.224	8.712	6.578	7.914
503	505	505	8			16.00	.500	8.292	2.457		
				502	505	10.75	.365	2.260	2.691	2.935	7.914
				504	505	10.75	.365	1.623	5.524	4.293	7.914
503	505	505	9			16.00	.500	6.033	2.738		
				502	505	10.75	.365	1.449	4.748	3.721	7.914
				504	505	10.75	.365	2.183	8.639	6.510	7.914
504	506	504	6			16.00	.500	11.527	5.926		
				502	504	10.75	.365	.541	3.661	2.660	7.251
				504	505	10.75	.365	1.632	6.021	4.600	7.251
504	506	504	7			16.00	.500	13.856	4.628		
				502	504	10.75	.365	.749	4.403	3.109	7.082
				504	505	10.75	.365	2.224	5.559	4.660	7.082

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLR STRUCTURE   SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S- -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
504	506	504	8			16.00	.500	10.651	5.669		
				502	504	10.75	.365	.580	3.446	2.430	7.407
				504	505	10.75	.365	1.623	5.300	4.157	7.407
504	506	504	9			16.00	.500	12.866	4.091		
				502	504	10.75	.365	.748	3.988	2.856	7.320
				504	505	10.75	.365	2.183	4.040	4.199	7.320
701	702	702	6			12.75	.375	4.145	7.096		
				702	704	10.75	.365	.027	.222	.201	8.880
				702	705	10.75	.365	1.235	5.072	5.060	8.880
701	702	702	7			12.75	.375	3.358	6.388		
				702	704	10.75	.365	.743	3.356	3.291	8.880
				702	705	10.75	.365	.677	3.018	2.967	8.880
701	702	702	8			12.75	.375	4.535	7.509		
				702	704	10.75	.365	.012	.819	.673	8.880
				702	705	10.75	.365	1.233	5.074	5.060	8.880
701	702	702	9			12.75	.375	4.184	6.160		
				702	704	10.75	.365	.736	3.488	3.390	8.880
				702	705	10.75	.365	.661	3.075	3.000	8.880
703	705	705	6			12.75	.375	.984	3.404		
				702	705	10.75	.365	1.238	3.948	4.151	8.880
				704	705	10.75	.365	1.251	3.838	4.072	8.880
703	705	705	7			12.75	.375	1.554	6.099		
				702	705	10.75	.365	.675	2.138	2.251	8.880
				704	705	10.75	.365	1.410	5.222	5.316	8.880
703	705	705	8			12.75	.375	1.018	3.642		
				702	705	10.75	.365	1.235	3.986	4.180	8.880
				704	705	10.75	.365	1.248	3.784	4.026	8.880
703	705	705	9			12.75	.375	1.683	6.291		
				702	705	10.75	.365	.659	2.124	2.228	8.880
				704	705	10.75	.365	1.403	5.103	5.214	8.880
704	706	704	6			12.75	.375	3.374	4.025		
				702	704	10.75	.365	.027	.865	.722	8.880
				704	705	10.75	.365	1.251	5.413	5.349	8.880

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
704	706	704	7			12.75	.375	1.767	2.080		
				702	704	10.75	.365	.742	2.066	2.246	8.880
				704	705	10.75	.365	1.410	5.364	5.431	8.880
704	706	704	8			12.75	.375	2.712	4.294		
				702	704	10.75	.365	.012	.132	.116	8.880
				704	705	10.75	.365	1.248	5.200	5.174	8.880
704	706	704	9			12.75	.375	1.790	1.863		
				702	704	10.75	.365	.735	1.924	2.124	8.880
				704	705	10.75	.365	1.403	5.197	5.290	8.880
801	802	802	6			12.75	.375	1.108	7.346		
				802	805	10.75	.365	1.056	5.501	5.272	8.880
				802	804	10.75	.365	.046	.276	.260	8.880
801	802	802	7			12.75	.375	3.056	6.635		
				802	805	10.75	.365	.610	3.247	3.101	8.880
				802	804	10.75	.365	.571	2.924	2.809	8.880
801	802	802	8			12.75	.375	1.510	7.361		
				802	805	10.75	.365	1.054	5.498	5.267	8.880
				802	804	10.75	.365	.043	.085	.751	8.880
801	802	802	9			12.75	.375	3.712	6.557		
				802	805	10.75	.365	.595	3.295	3.129	8.880
				802	804	10.75	.365	.562	3.178	3.008	8.880
803	805	805	6			12.75	.375	3.697	2.619		
				802	805	10.75	.365	1.054	3.445	3.602	8.880
				804	805	10.75	.365	1.014	3.679	3.923	8.880
803	805	805	7			12.75	.375	1.374	5.513		
				802	805	10.75	.365	.608	2.011	2.097	8.880
				804	805	10.75	.365	1.175	5.350	5.240	8.880
803	805	805	8			12.75	.375	3.229	2.797		
				802	805	10.75	.365	1.047	3.673	3.762	8.880
				804	805	10.75	.365	1.004	3.674	3.749	8.880
803	805	805	9			12.75	.375	1.287	5.633		
				802	805	10.75	.365	.594	2.003	2.080	8.880
				804	805	10.75	.365	1.166	5.358	5.240	8.880

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER		LOAD CASE	SPACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
804	806	804	6			12.75	.375	4.993	4.663		
				802	804	10.75	.365	.046	.743	.638	8.880
				804	805	10.75	.365	1.014	5.212	5.004	8.880
804	806	804	7			12.75	.375	4.739	2.189		
				802	804	10.75	.365	.570	1.995	2.055	8.880
				804	805	10.75	.365	1.175	5.048	4.995	8.880
804	806	804	8			12.75	.375	4.436	4.624		
				802	804	10.75	.365	.043	.285	.264	8.880
				804	805	10.75	.365	1.004	4.811	4.671	8.880
804	806	804	9			12.75	.375	4.771	2.084		
				802	804	10.75	.365	.501	1.694	1.966	8.880
				804	805	10.75	.365	1.166	4.922	4.886	8.880
901	902	902	6			14.00	.500	5.506	4.722		
				902	904	10.75	.365	.079	.770	.514	9.341
				902	905	10.75	.365	.994	6.250	4.374	9.341
901	902	902	7			14.00	.500	1.959	4.470		
				902	904	10.75	.365	.492	2.642	1.890	9.341
				902	905	10.75	.365	.604	3.632	2.556	9.341
901	902	902	8			14.00	.500	5.019	4.710		
				902	904	10.75	.365	.070	1.018	.659	9.341
				902	905	10.75	.365	.991	6.171	4.323	9.341
901	902	902	9			14.00	.500	1.106	4.440		
				902	904	10.75	.365	.487	2.943	2.070	9.341
				902	905	10.75	.365	.592	3.601	2.531	9.341
901	904	904	6			14.00	.500	3.239	5.514		
				902	904	10.75	.365	.079	.949	.623	9.341
				904	905	10.75	.365	.915	5.376	3.796	9.341
901	904	904	7			14.00	.500	6.128	4.569		
				902	904	10.75	.365	.491	2.306	1.685	9.341
				904	905	10.75	.355	1.088	5.114	3.736	9.341
901	904	904	8			14.00	.500	2.891	5.299		
				902	904	10.75	.365	.070	.362	.260	9.341
				904	905	10.75	.365	.910	4.696	3.502	9.341

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	904 904	9		14.00	.500	6.430	4.510		
			902 904	10.75	.365	.485	2.123	1.570	9.341
			904 905	10.75	.365	1.082	4.731	3.500	9.341
905	906 905	6		14.00	.500	7.680	2.883		
			902 905	10.75	.365	.997	3.162	2.496	9.341
			904 905	10.75	.365	.915	3.672	2.862	9.341
905	906 905	7		14.00	.500	7.286	1.203		
			902 905	10.75	.365	.603	2.170	1.667	9.341
			904 905	10.75	.365	1.068	5.872	4.198	9.341
905	906 905	8		14.00	.500	6.996	2.772		
			902 905	10.75	.365	.968	3.494	2.693	9.341
			904 905	10.75	.365	.910	3.843	2.861	9.341
905	906 905	9		14.00	.500	6.924	.908		
			902 905	10.75	.365	.591	2.292	1.734	9.341
			904 905	10.75	.365	1.082	5.776	4.136	9.341
1001	1002 1002	6		24.00	.875	.131	.873		
			901 1002	16.00	.750	6.707	2.786	4.863	8.816
			1002 1004	14.00	.375	.069	4.672	1.692	8.733
1001	1002 1002	7		24.00	.875	3.546	.328		
			901 1002	16.00	.750	.253	2.981	1.744	8.816
			1002 1004	14.00	.375	.397	3.664	1.443	8.733
1001	1002 1002	8		24.00	.875	.040	.850		
			901 1002	16.00	.750	6.610	2.594	4.710	8.816
			1002 1004	14.00	.375	.017	4.069	1.459	8.733
1001	1002 1002	9		24.00	.875	3.457	.381		
			901 1002	16.00	.750	.011	2.924	1.593	8.816
			1002 1004	14.00	.375	.451	3.183	1.289	8.733
1002	1003 1002	6		24.00	.875	5.602	.168		
			903 1002	16.00	.750	6.782	2.271	4.621	8.816
			1002 1005	14.00	.375	.774	3.620	1.626	8.733
1002	1003 1002	7		24.00	.875	3.768	.441		
			903 1002	16.00	.750	.308	2.254	1.377	8.816
			1002 1005	14.00	.375	.397	4.443	1.721	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-771-01 93 FT MLH STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1002	1003 1002	8		24.00	.875	5.328	.315		
			903 1002	16.00	.750	6.651	2.479	4.669	8.816
			1002 1005	14.00	.375	.758	5.250	1.417	8.733
1002	1003 1002	9		24.00	.875	3.470	.607		
			903 1002	16.00	.750	.026	2.206	1.211	8.816
			1002 1005	14.00	.375	.445	4.026	1.568	8.733
1003	1005 1005	6		24.00	.875	5.727	1.002		
			903 1005	16.00	.750	13.553	1.206	7.428	8.816
			1002 1005	14.00	.375	.777	1.496	.796	8.733
1003	1005 1005	7		24.00	.875	3.908	.972		
			903 1005	16.00	.750	12.216	1.677	7.014	8.816
			1002 1005	14.00	.375	.392	3.039	1.218	8.733
1003	1005 1005	8		24.00	.875	5.354	1.062		
			903 1005	16.00	.750	13.258	1.626	7.509	8.816
			1002 1005	14.00	.375	.756	1.766	.886	8.733
1003	1005 1005	9		24.00	.875	3.506	1.021		
			903 1005	16.00	.750	11.846	1.976	6.992	8.816
			1002 1005	14.00	.375	.450	3.499	1.402	8.733
1005	1006 1005	6		24.00	.875	5.229	.433		
			906 1005	16.00	.750	13.591	2.988	8.413	8.816
			1004 1005	14.00	.375	.741	1.247	.695	8.733
1005	1006 1005	7		24.00	.875	5.965	.413		
			906 1005	16.00	.750	12.264	2.914	7.710	8.816
			1004 1005	14.00	.375	.848	1.307	.753	8.733
1005	1006 1005	8		24.00	.875	5.379	.360		
			906 1005	16.00	.750	13.327	2.500	8.016	8.816
			1004 1005	14.00	.375	.723	.784	.524	8.733
1005	1006 1005	9		24.00	.875	6.096	.508		
			906 1005	16.00	.750	11.928	2.516	7.326	8.816
			1004 1005	14.00	.375	.865	1.702	.900	8.733
1001	1004 1004	6		24.00	.875	.214	1.014		
			901 1004	16.00	.750	7.150	2.223	4.780	8.816
			1002 1004	14.00	.375	.069	4.569	1.655	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - S.NAVY 27-171-01 93 FT MLW STRUCTURE SECONDARY JOINTS

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004 1004	7		24.00	.875	3.516	.639		
			901 1004	16.00	.750	12.037	2.406	7.321	8.816
			1002 1004	14.00	.375	.392	3.004	1.205	8.733
1001	1004 1004	8		24.00	.875	.026	.830		
			901 1004	16.00	.750	6.879	2.453	4.768	8.816
			1002 1004	14.00	.375	.017	4.690	1.681	8.733
1001	1004 1004	9		24.00	.875	3.270	.578		
			901 1004	16.00	.750	11.855	2.756	7.420	8.816
			1002 1004	14.00	.375	.455	3.252	1.315	8.733
1004	1006 1004	6		24.00	.875	5.551	.574		
			906 1004	16.00	.750	7.133	2.700	5.029	8.816
			1004 1005	14.00	.375	.741	2.488	1.138	8.733
1004	1006 1004	7		24.00	.875	6.178	.945		
			906 1004	16.00	.750	11.964	2.107	7.132	8.816
			1004 1005	14.00	.375	.848	.876	.600	8.733
1004	1006 1004	8		24.00	.875	5.540	.482		
			906 1004	16.00	.750	6.892	2.604	4.857	8.816
			1004 1005	14.00	.375	.723	2.574	1.163	8.733
1004	1006 1004	9		24.00	.875	6.298	.652		
			906 1004	16.00	.750	11.836	1.645	6.916	8.816
			1004 1005	14.00	.375	.865	.664	.529	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.5

LIFT ANALYSIS

MCDONNELL-ECI ICES EXECUTIVE SYSTEM

MAC REL. 2.3 - RELEASED 2/5/73
TIME=18.19.41, 8/23/76

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STRUDL 'ACMR' 'LIFTING ANALYSIS -- PLATFORM #2 -- U.S.NAVY'

                                                   CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
                                                   CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *******************************************    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *                                         *    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *                                         *    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *        MCDONNELL-ECI ICES STRUDL        *    CCCCCCCCCC              EEEEEEEEEE
    *                                         *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
    *             MAC REL 2.5                 *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
    *         18:20:47       8/23/76          *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
    *        SIZE OF POOL 30640 BYTES         *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
    *                                         *    CCCCCCCCCC              EEEEEEEEEE
    *      IMPLEMENTED AT C-E JAN 1975        *    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *                                         *    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *                                         *    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
    *******************************************    CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
                                                   CCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE

TYPE SPACE FRAME

UNIT FT

JOINT COORDINATES

401   -54.94    14.75    0.
403   -57.03    0.       25.05
406   -54.94   -14.75    0.
501   -52.18    15.15    0.
502   -53.27    7.58     13.08
503   -54.36    0.       26.15
504   -52.18    0.       0.
505   -53.27   -7.58     13.08
506   -52.18   -15.15    0.
701   -26.19    18.76    0.
702   -27.53    9.38     16.19
```

703	-28,79	0.	32,37	S
704	-26,09	0.	0.	
705	-27,53	-9,38	16,19	
706	-26,09	-18,76	0.	
801	0.	22,51	0.	
802	-1,14	11,40	19,68	
803	-3,24	0.	38,86	
804	0.	0.	0.	
805	-1,62	-11,26	19,43	
806	0.	-22,51	0.	
901	27,09	26,41	0.	
902	25,19	13,21	22,79	
903	23,29	0.	45,58	S
904	27,09	0.	0.	
905	25,19	-13,21	22,79	
906	27,09	-26,41	0.	
1001	54,18	30,31	0.	
1002	52,01	15,16	26,16	
1003	49,83	0.	52,31	
1004	54,18	0.	0.	
1005	52,01	-15,16	26,16	
1006	54,18	-30,31	0.	
1101	58,20	30,89	0.	
1103	53,76	0.	53,25	
1106	58,20	-30,89	0.	

MEMBER INCIDENCES

1	401	501
2	403	503
3	406	506
4	501	701
5	503	703
6	506	706
7	701	801
8	703	803
9	706	806
10	801	901
11	803	903
12	806	906
13	901	1001
14	903	1003
15	906	1006
16	1001	1101
17	1003	1103
18	1006	1106
19	506	701
20	503	706
21	501	703
22	701	806
23	706	803
24	703	801

25	806	901
26	803	906
27	801	903
28	901	1004
29	906	1004
30	903	1005
31	906	1005
32	903	1002
33	901	1002
34	501	504
35	504	506
36	506	505
37	505	503
38	503	502
39	502	501
40	701	704
41	704	706
42	706	705
43	705	703
44	[illegible]	702
45	702	701
46	801	804
47	804	806
48	806	805
49	805	803

50	803	802
51	802	801
52	901	904
53	904	906
54	906	905
55	905	903
56	903	902
57	902	901
58	1001	1004
59	1004	1006
60	1006	1005
61	1005	1003
62	1003	1002
63	1002	1001
64	502	504
65	504	505
66	505	502
67	702	704
68	704	705
69	705	702
70	802	804
71	804	805
72	805	802
73	902	904
74	904	905

```
75        905       902
76        1002      1004
77        1004      1005
78        1005      1002
JOINT RELEASES
703 903  MOM X  MOM Y  MOM Z   FOR Y
UNIT IN KIPS
MEMBER PROPERTIES PRISMATICS
1 TO 3 =
    AX 254,27   IX 136171,28   IY 68085,64   IZ 68085,64   SY 2836,90 SZ 2836,90
4 TO 6 =
    AX 214,41   IX 111093,36   IY 55546,68   IZ 55546,68   SY 2363,69 SZ 2363,69
7 TO 15 =
    AX  71,47   IX  36995,38   IY 18497,69   IZ 18497,69   SY  804,25 SZ  804,25
16 TO 18 =
    AX 175,73   IX  88047,86   IY 44023,93   IZ 44023,93   SY 1914,08 SZ 1914,08
19 TO 21 =
    AX  66,71   IX   5962,80   IY  2981,40   IZ  2981,40   SY  298,14 SZ  298,14
22 TO 27 58 TO 63 =
    AX  38,04   IX   3574,08   IY  1787,04   IZ  1787,04   SY  178,71 SZ  178,71
28 TO 33 =
    AX  30,19   IX   1787,12   IY   893,56   IZ   893,56   SY  111,70 SZ  111,70
34 TO 39 =
    AX  24,35   IX   1463,86   IY   731,93   IZ   731,93   SY   91,49 SZ   91,49
40 TO 51 =
    AX  14,58   IX    558,64   IY   279,32   IZ   279,32   SY   43,81 SZ   43,81
52 TO 57 =
    AX  21,20   IX    967,40   IY   483,70   IZ   483,70   SY   69,10 SZ   69,10
64 TO 75 =
    AX  11,91   IX    321,46   IY   160,73   IZ   160,73   SY   29,90 SZ   29,90
76 TO 78 =
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AX 16.05  IX  745.50  IY  372.75  IZ  372.75  SY  53.25 SZ  53.25
CONSTANTS
 E 30000.    ALL
UNIT FT LBS
LOADING 1 'JACKET DEAD LOAD FOR LIFTING --PLATFORM #2'
MEMBER LOADS
1 TO 3   FOR Z GLO UNI     W -864.43
4 TO 6   FOR Z GLO UNI FR W -864.43  LA 0.0   LB 0.19
4 TO 6   FOR Z GLO UNI FR W -728.92  LA 0.19  LB 1.0
7 TO 9   FOR Z GLO UNI FR W -728.92  LA 0.0   LB 0.135
7 TO 9   FOR Z GLO UNI FR W -242.97  LA 0.135 LB 0.833
7 TO 9   FOR Z GLO UNI FR W -728.92  LA 0.833 LB 1.0
10 TO 12  FOR Z GLO UNI FR W -728.92  LA 0.0   LB 0.10
10 TO 12  FOR Z GLO UNI FR W -242.97  LA 0.10  LB 0.87
10 TO 12  FOR Z GLO UNI FR W -610.77  LA 0.87  LB 1.0
13 TO 15  FOR Z GLO UNI FR W -610.77  LA 0.0   LB 0.13
13 TO 15  FOR Z GLO UNI FR W -242.97  LA 0.13  LB 0.93
13 TO 15  FOR Z GLO UNI FR W -597.42  LA 0.93  LB 1.0
16 TO 18  FOR Z GLO UNI     W -597.42
19 TO 21  FOR Z GLO UNI     W -226.78
22 TO 27  FOR Z GLO UNI     W -129.32
28 TO 33  FOR Z GLO UNI     W -102.62
34 TO 39  FOR Z GLO UNI     W  -82.77
40 TO 51  FOR Z GLO UNI     W  -49.52
52 TO 57  FOR Z GLO UNI     W  -72.09
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58 TO 63  FOR Z GLO UNI    = -129.32

64 TO 75  FOR Z GLO UNI    = -40.44

76 TO 78  FOR Z GLO UNI    = -54.51

LOADING LIST ALL

STIFFNESS ANALYSIS
STATICS CHECK FAILED FOR JOINT 403      LOADING 1       COUNT 1
DOF              1              2              3              4              5              6
UNBALANCE   -3.37201D-08  -7.25717D 00   7.28028D-08   4.54702D 01  -1.60955D-02  -1.28470D 02
FORCE        0.0           0.0           0.0           0.0           0.0           0.0
TOLERANCE    7.40560D 00   9.72870D 00   1.52886D 01   5.26919D 02   5.15824D 02   1.25683D 02
STATICS CHECK FAILED FOR JOINT 1101     LOADING 1       COUNT 4
DOF              1              2              3              4              5              6
UNBALANCE   -2.50230D 00  -3.00034D 01  -2.06004D 01   1.68328D 02  -1.12548D 03   1.57691D 03
FORCE        0.0           0.0           0.0           0.0           0.0           0.0
TOLERANCE    7.40560D 00   9.72870D 00   1.52886D 01   5.26919D 02   5.15824D 02   1.25683D 02
STATICS CHECK FAILED FOR JOINT 1103     LOADING 1       COUNT 5
DOF              1              2              3              4              5              6
UNBALANCE    1.54578D 00  -3.90095D 01  -1.78491D 01  -7.02381D 02  -7.58372D 02   2.29474D 03
FORCE        0.0           0.0           0.0           0.0           0.0           0.0
TOLERANCE    7.40560D 00   9.72870D 00   1.52886D 01   5.26919D 02   5.15824D 02   1.25683D 02
STATICS CHECK FAILED FOR JOINT 1106     LOADING 1       COUNT 5
DOF              1              2              3              4              5              6
UNBALANCE   -9.89712D 00   7.08465D 01   4.76596D 01   3.60147D 02   2.34551D 03  -3.24695D 03
FORCE        0.0           0.0           0.0           0.0           0.0           0.0
TOLERANCE    7.40560D 00   9.72870D 00   1.52886D 01   5.26919D 02   5.15824D 02   1.25683D 02

OUTPUT DECIMAL 2

UNIT IN KIP

LIST FORCES REACTIONS  ALL
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****
RESULTS OF LATEST ANALYSES
****

PROBLEM - ACMR TITLE - LIFTING ANALYSIS -- PLATFORM #2 -- U.S.NAVY

ACTIVE UNITS INCH KIPS RAD FAHR SEC LBM

LOADING - 1 JACKET DEAD LOAD FOR LIFTING --PLATFORM #2

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
1	401	0,00	0,00	0,01	0,00	-0,09	0,02
1	501	-0,00	-0,00	2,40	-0,00	40,22	0,02
2	403	-0,00	-0,01	0,00	-0,01	-0,00	-0,14
2	503	0,95	0,01	2,31	0,01	39,99	-0,12
3	406	-0,00	0,00	-0,01	0,00	0,09	0,02
3	506	0,00	-0,00	2,42	-0,00	40,49	0,02
4	501	21,92	0,91	13,03	285,41	7,89	-2,86
4	701	-21,92	-0,91	6,85	-265,41	-897,35	289,35
5	503	-13,85	-0,21	0,06	-26,97	456,62	-47,75
5	703	18,54	0,21	19,24	26,97	2654,95	-1[illegible],43
6	506	5,37	-0,40	2,20	309,95	83,71	-83,48
6	70[illegible]	-5,37	0,40	17,68	-309,95	2449,76	-81,57
7	70[illegible]	21,43	-1,42	3,70	-825,50	-190,89	-302,82
7	801	-21,43	1,42	6,57	825,50	596,80	-144,81
8	703	11,03	1,43	17,96	-668,73	-2771,52	40,62
8	803	-8,50	-1,43	-8,02	668,73	-1585,70	411,72
9	706	19,49	0,58	17,40	486,63	-2541,21	144,14
9	806	-19,49	-0,58	-7,13	-486,63	-1384,39	38,78
10	801	19,81	-0,21	7,10	-690,77	-690,70	64,02
10	901	-19,81	0,21	2,19	690,77	-107,39	-133,41
11	803	-8,09	-4,27	-3,30	-373,78	1406,17	-497,59
11	903	10,37	4,27	12,30	373,78	1163,76	-904,46
12	806	9,30	0,07	5,65	-961,[illegible]	-62,74	59,72

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
12	906	-9,30	-0,07	3,64	961,98	-257,38	-37,78
13	901	0,89	0,28	5,08	-34,50	-97,36	36,14
13	1001	-0,89	-0,28	3,55	34,50	-70,96	54,46
14	903	2,99	2,75	7,49	-235,89	-1048,56	921,53
14	1003	-0,87	-2,75	0,88	235,89	43,96	-17,25
15	906	0,61	0,50	3,84	-492,75	133,70	45,52
15	1006	-0,61	-0,50	4,80	492,75	106,67	51,51
16	1001	0,01	0,03	2,45	-0,01	-59,00	-0,15
16	1101	-0,01	-0,03	-0,02	0,01	-1,14	1,58
17	1003	0,56	0,04	2,37	0,15	-57,03	-0,50
17	1103	-0,00	-0,04	-0,02	-0,15	-0,76	2,40
18	1006	0,02	-0,07	2,38	-0,02	-59,18	-0,10
18	1106	-0,02	0,07	0,05	0,02	2,37	-3,25
19	506	-9,12	0,25	3,82	-3,06	-95,37	69,14
19	701	9,12	-0,25	5,88	3,06	621,28	57,67
20	503	17,43	-1,77	3,96	75,03	-428,17	-113,71
20	706	-23,36	-1,12	3,17	-75,03	224,37	-53,35
21	501	-35,69	1,16	2,40	-46,98	-134,52	85,84
21	703	43,03	1,63	3,27	46,98	357,31	-206,19
22	701	-12,62	-0,19	-3,66	60,96	1709,66	-57,65
22	806	12,62	0,19	9,97	-60,96	2283,09	-56,39
23	706	-7,49	-1,12	1,49	-58,62	-96,89	-50,40
23	803	12,51	-0,97	1,72	58,62	164,15	6,72
24	703	-19,62	1,71	2,20	-17,10	-232,59	278,57
24	801	15,43	0,47	2,00	17,10	174,81	83,21
25	806	4,12	0,03	3,13	-38,09	-110,23	10,26
25	901	-4,12	-0,03	4,11	38,09	436,77	7,02
26	803	15,46	-1,54	2,24	7,10	-242,64	-148,19
26	906	-20,48	-1,15	2,21	-7,10	232,77	19,66
27	801	-17,53	0,98	1,41	-28,08	-120,21	66,38
27	903	23,42	1,61	1,88	28,08	277,31	-270,34
28	901	2,13	-0,01	1,81	-2,63	-73,04	-1,80
28	1004	-2,13	0,01	2,07	2,63	133,30	-2,15
29	906	-1,33	0,01	1,88	-0,41	-86,31	2,89
29	1004	1,33	-0,01	2,00	0,41	114,63	3,55
30	903	-21,28	-0,82	2,29	82,50	-226,94	-24,65
30	1005	19,28	-0,05	0,93	-82,50	-81,71	-149,01
31	906	24,27	0,95	0,85	44,88	3,49	212,77
31	1005	-21,59	-1,78	1,83	-44,88	218,75	406,68
32	903	-26,48	0,18	1,50	95,81	-130,56	65,28
32	1002	24,49	0,70	1,72	-95,81	181,03	-183,07
33	901	25,90	1,37	1,59	67,09	-107,11	126,90
33	1002	-23,22	-0,53	1,09	-67,09	-7,93	303,30
34	501	13,44	0,21	0,83	0,64	-73,79	25,64

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
34	504	-13.44	-0.21	0.43	-0.64	37.59	12.22
35	504	10.97	0.01	2.02	-1.23	-70.48	-12.99
35	506	-10.97	-0.01	-0.77	1.23	-182.76	15.09
36	506	-8.04	1.45	0.14	4.79	-25.67	213.00
36	505	9.12	-2.07	-0.24	-4.79	-8.48	106.94
37	505	-11.36	-1.19	0.27	0.84	7.67	-75.32
37	503	12.44	0.57	-0.37	-0.84	-65.70	-84.45
38	503	3.59	1.06	0.13	-17.25	-14.88	99.69
38	502	-4.67	-0.43	-0.03	17.25	-0.09	36.18
39	502	8.87	-0.26	-0.10	-4.77	4.40	-26.44
39	501	-9.95	0.89	0.21	4.77	23.77	-78.45
40	701	23.36	0.13	0.36	6.05	-17.28	16.15
40	704	-23.36	-0.13	0.57	-6.05	41.52	12.50
41	704	22.44	-0.03	1.12	3.50	-67.38	-6.40
41	706	-22.44	0.03	-0.20	-3.50	-81.17	-0.01
42	706	-54.17	0.46	0.11	-0.36	-11.96	88.75
42	705	54.97	-0.92	-0.20	0.36	-22.98	66.54
43	705	-57.35	-0.51	-0.20	2.60	24.59	-34.13
43	703	58.15	0.05	0.13	-2.60	13.29	-28.92
44	703	-20.07	0.61	-0.01	-2.29	5.04	62.24
44	702	19.27	-0.15	0.08	2.29	4.91	23.90
45	702	-16.20	0.15	0.05	0.72	1.15	3.16
45	701	15.40	0.31	0.03	-0.72	-3.01	-20.52
46	801	13.31	0.11	0.11	0.48	23.41	16.19
46	804	-13.31	-0.11	1.01	-0.48	98.12	11.94
47	804	10.75	-0.07	1.09	9.19	-46.51	-12.03
47	806	-10.75	0.07	0.03	-9.19	-96.09	-8.15
48	806	-12.51	1.74	-0.23	-4.89	39.91	242.23
48	805	13.47	-2.30	0.14	4.89	9.40	302.96
49	805	-18.20	0.54	0.13	2.43	-25.31	166.60
49	803	19.17	-1.09	-0.22	-2.43	-21.60	59.22
50	803	4.71	-0.69	-0.25	2.41	47.96	-51.06
50	802	-5.66	1.25	0.37	-2.41	35.76	-210.12
51	802	7.77	-0.77	-0.00	-4.21	2.12	-186.49
51	801	-6.74	1.32	0.07	4.21	6.97	-96.07
52	901	9.27	0.17	-0.07	-2.93	111.47	27.61
52	904	-9.27	-0.17	1.97	2.93	211.72	26.46
53	904	3.65	-0.17	1.05	2.48	-18.66	-27.85
53	906	-3.65	0.17	0.85	-2.48	-12.29	-27.48
54	906	-48.22	3.62	-0.26	-34.04	47.00	454.55
54	905	49.86	-4.56	0.10	34.04	9.55	841.57
55	905	-59.10	2.74	0.56	28.39	-101.29	701.51
55	903	60.74	-5.68	-0.72	-28.39	-101.23	315.86
56	903	-42.54	-2.67	-0.36	23.42	63.08	-248.71

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
56	902	40,89	3,62	0,52	-23,42	76,54	-747,01
57	902	-41,32	-2,69	-0,03	-36,10	18,42	-697,30
57	901	39,68	3,63	0,19	36,10	17,27	-303,78
58	1001	8,38	-0,00	0,46	-54,73	229,52	0,90
58	1004	-8,38	0,00	3,46	54,73	314,46	-1,57
59	1004	1,00	0,05	2,07	44,88	-108,35	10,51
59	1006	-1,00	-0,05	1,85	-44,88	66,75	9,37
60	1006	-8,20	5,89	0,05	-23,14	-11,73	564,31
60	1005	11,58	-5,85	-0,38	23,14	-66,41	1207,12
61	1005	-1,98	1,89	0,32	4,64	-128,37	865,10
61	1003	5,36	-3,84	-0,65	-4,64	-48,91	177,14
62	1003	10,09	-1,95	0,15	65,09	29,08	-58,60
62	1002	-13,47	3,91	0,17	-65,09	-25,13	-1036,86
63	1002	-13,39	-2,37	0,02	-61,94	8,13	-930,16
63	1001	10,01	4,32	0,31	61,94	43,91	-285,80
64	502	-4,23	-0,05	0,08	-0,70	-8,87	0,08
64	504	3,70	-0,25	-0,03	0,70	-0,83	17,88
65	504	0,74	-0,04	-0,02	-1,14	-1,58	-14,96
65	505	-0,21	0,34	-0,03	1,14	0,69	-19,30
66	505	3,55	0,03	0,52	2,65	-12,13	2,70
66	502	-3,55	-0,03	0,30	-2,65	10,09	2,79
67	702	-2,50	-0,15	0,04	-0,64	-5,45	-7,78
67	704	1,85	-0,23	0,02	0,64	3,28	16,30
68	704	-0,29	0,07	0,02	-2,81	-7,48	-8,92
68	705	0,94	0,31	-0,09	2,81	-4,41	-18,33
69	705	2,67	-0,02	0,36	2,36	-14,27	-0,35
69	702	-2,67	0,02	0,40	-2,36	18,91	-5,13
70	802	-5,54	-0,70	0,12	-2,22	-18,64	-115,07
70	804	4,74	0,24	-0,07	2,22	-7,71	-13,32
71	804	2,04	0,72	-0,19	-6,43	15,33	38,16
71	805	-1,25	-0,27	0,11	6,43	25,39	95,29
72	805	3,55	-1,98	3,94	3,35	-502,86	-246,11
72	802	-3,54	1,55	-3,13	-3,35	-459,02	-234,07
73	902	-10,27	-1,36	0,32	-7,71	-56,90	-260,52
73	904	9,35	0,82	-0,23	7,71	-29,75	-85,16
74	904	5,56	1,31	-0,32	-9,53	34,94	107,12
74	905	-4,64	-0,77	0,23	9,53	53,06	222,12
75	905	4,57	0,06	11,51	7,05	-1770,29	12,57
75	902	-4,57	-0,06	-10,44	-7,05	-1710,07	7,93
76	1002	-18,62	-1,41	0,42	-10,27	-70,80	-269,68
76	1004	17,19	0,58	-0,29	10,27	-58,64	-92,47
77	1004	5,67	1,32	0,01	-0,55	-23,94	128,95
77	1005	-4,24	-0,50	-0,15	0,55	-4,74	201,41
78	1005	12,83	-0,36	16,02	5,45	-2817,82	-70,49

MEMBER FORCES

MEMBER	JOINT	AXIAL	SHEAR Y	SHEAR Z	TORSIONAL	BENDING Y	BENDING Z
		FORCE			MOMENT		
78	1002	-12.83	0.36	-14.37	-5.45	-2711.95	-61.71

RESULTANT JOINT LOADS - SUPPORTS

JOINT		X FORCE	Y FORCE	Z FORCE	X MOMENT	Y MOMENT	Z MOMENT
		FORCE			MOMENT		
703	GLOBAL	25.11	-0.00	161.06	0.01	-0.00	0.00
903	GLOBAL	-25.10	0.00	160.52	0.00	0.00	-0.00
		0		321.58 K			

FINISH

APPENDIX B.6

MATERIAL LISTING

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30,000	1,750	0,0	3	5,000	SHT,1 LEG CAN
1	30,000	1,000	0,0	3	9,083	SHT,1 LEG CAN
1	30,000	1,500	0,0	3	5,000	SHT,1 LEG CAN
1	30,000	1,000	0,0	1	8,053	SHT,1 LEG CAN
1	30,000	1,000	0,0	2	5,657	SHT,1 LEG CAN
1	30,000	1,500	0,0	1	4,395	SHT,1 LEG CAN
1	30,000	1,500	0,0	2	6,791	SHT,1 LEG CAN
1	30,000	1,000	0,0	3	18,969	SHT,1 LEG CAN
3	5,320	5,320	1,000	3	0,0	SHT,1 LEG CONE
1	42,000	1,000	0,0	3	5,000	SHT,1 LEG CAN
2	18,000	50,000	0,0	5	26,375	SHT,1 HORIZBRACE
2	21,000	73,000	0,0	1	26,667	SHT,1 HORIZBRACE
1	12,750	0,500	0,0	3	24,333	SHT,1 DIAGBRACE
1	12,750	1,000	0,0	3	2,667	SHT,1 DIAGBRACE
1	12,750	0,750	0,0	3	2,667	SHT,1 DIAGBRACE
1	12,750	0,500	0,0	3	22,293	SHT,1 HORIZBRACE
1	12,750	0,750	0,0	6	2,437	SHT,1 HORIZBRACE
1	8,625	0,322	0,0	2	13,788	SHT,1 DIAGBRACE
2	8,000	24,000	0,0	3	4,583	SHT,2 BRACES
2	6,000	15,500	0,0	3	7,750	SHT,2 BRACES
2	8,000	24,000	0,0	3	14,500	SHT,2 BRACES
2	6,000	15,500	0,0	1	8,000	SHT,2 BRACES
2	8,000	24,000	0,0	2	4,229	SHT,2 BRACES
2	12,000	27,000	0,0	1	5,000	SHT,2 BRACES
2	12,000	27,000	0,0	1	3,667	SHT,2 BRACES
3	0,333	136,000	0,375	1	0,0	SHT,2 FLRPLTSUPPT,
3	19,660	19,660	0,276	1	0,0	SHT,2 FLRPLT ,250THK
2	6,000	15,500	0,0	1	2,917	SHT,3 BRACES
2	6,000	15,500	0,0	1	5,750	SHT,3 BRACES
2	6,000	15,500	0,0	1	8,750	SHT,3 BRACES
2	6,000	15,500	0,0	1	11,583	SHT,3 BRACES
2	8,000	24,000	0,0	1	14,500	SHT,3 BRACES
2	6,000	15,500	0,0	2	2,750	SHT,3 BRACES
2	6,000	15,500	0,0	2	5,833	SHT,3 BRACES
2	6,000	15,500	0,0	2	8,917	SHT,3 BRACES
2	18,000	50,000	0,0	1	7,917	SHT,3 BRACES
2	6,000	15,500	0,0	2	11,917	SHT,3 BRACES
2	8,000	24,000	0,0	2	14,583	SHT,3 BRACES
2	6,000	15,500	0,0	1	4,333	SHT,3 BRACES
2	6,000	15,500	0,0	1	7,167	SHT,3 BRACES
2	6,000	15,500	0,0	1	10,000	SHT,3 BRACES
2	6,000	15,500	0,0	1	13,000	SHT,3 BRACES
2	12,000	27,000	0,0	2	3,270	SHT,3 BRACES
2	8,000	24,000	0,0	2	3,270	SHT,3 BRACES
2	8,000	24,000	0,0	2	4,000	SHT,3 BRACES
2	8,000	24,000	0,0	2	4,229	SHT,3 BRACES
2	12,000	27,000	0,0	2	10,167	SHT,3 BRACES
2	12,000	27,000	0,0	1	18,250	SHT,3 BRACES
2	6,000	15,500	0,0	2	4,917	SHT,3 BRACES
2	6,000	15,500	0,0	7	10,750	SHT,3 BRACES
2	6,000	15,500	0,0	4	3,000	SHT,3 BRACES
3	1,000	1,000	0,250	4	0,0	SHT,3 BRACES
3	0,302	1,406	0,500	14	0,0	SHT,3 BRACES
3	25,270	25,270	0,276	1	0,0	SHT,3 FLRPLT ,250THK
3	0,667	10,080	0,500	3	0,0	SHT,4 LEG POINT
3	3,640	3,640	0,500	3	0,0	SHT,4 LEG POINT
3	1,000	1,000	0,500	3	0,0	SHT,4 LEG POINT
3	0,667	3,208	0,750	6	0,0	SHT,4 LEG POINT
3	1,790	1,790	0,750	6	0,0	SHT,4 LEG POINT

3	0.500	10.340	0.125	3	0.0	SHT.4 LEG POINT
3	2.210	3.583	1.250	3	0.0	SHT.4 LIFTLUG
[illegible]	1.740	1.740	1.250	6	0.0	SHT.4 LIFTLUG
3	2.360	2.360	1.000	3	0.0	SHT.4 LIFTLUG
3	0.738	0.738	1.000	6	0.0	SHT.4 LIFTLUG
3	0.667	1.104	1.000	6	0.0	SHT.4 LIFTLUG
3	0.875	1.208	0.750	2	0.0	SHT.4
1	2.375	0.154	0.0	51	0.489	SHT.5 HANDRAIL DET.
3	0.323	0.489	0.250	34	0.0	SHT.5 HANDRAIL DET.
3	0.281	0.489	0.250	15	0.0	SHT.5 HANDRAIL DET.
1	2.375	0.154	0.0	62	0.083	SHT.5 HANDRAIL DET.
3	0.333	183.000	0.250	1	0.0	SHT.5 HANDRAIL DET.
1	1.900	0.145	0.0	1	590.000	SHT.5 HANDRAIL DET.
1	4.500	0.337	0.0	1	50.500	ANTENNA MOUNT
3	0.375	0.375	0.250	2	0.0	ANTENNA MOUNT
3	0.917	1.000	0.375	15	0.0	ANTENNA MOUNT
5	3.000	3.000	0.375	1	40.000	ANTENNA MOUNT
5	3.000	3.000	0.250	4	1.333	BATTERY BOX TIE DOWN
5	4.000	3.000	0.375	2	8.000	SOLAR PANEL SUPPORT
5	4.000	3.000	0.375	2	3.667	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	11.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	3	10.417	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	9.600	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	4.375	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	5.229	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	7	0.583	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	1.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	2	1.833	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	2.333	SOLAR PANEL SUPPORT
1	8.625	0.500	0.0	2	27.000	STAIRWAY NO.1
1	6.625	0.500	0.0	1	12.000	STAIRWAY NO.1
1	6.625	0.500	0.0	3	5.667	STAIRWAY NO.1
4	5.790	5.790	0.0	1	7.360	STAIRWAY NO.1
1	4.500	0.337	0.0	3	5.667	STAIRWAY NO.1
4	0.910	2.500	0.0	25	7.360	STAIRWAY NO.1
3	0.333	12.000	0.250	1	0.0	STAIRWAY NO.1
1	8.625	0.500	0.0	2	0.750	STAIRWAY NO.1
3	0.167	2.450	0.250	1	0.0	STAIRWAY NO.1
3	0.167	0.708	0.500	50	0.0	STAIRWAY NO.1
4	0.625	3.218	0.0	1	7.360	STAIRWAY NO.1
3	0.833	1.250	0.500	2	0.0	STAIRWAY NO.1
5	2.500	2.500	0.250	4	3.218	STAIRWAY NO.1
3	0.333	25.208	0.250	2	0.0	STAIRWAY NO.1
1	1.900	0.145	0.0	1	131.000	STAIRWAY NO.1
1	1.900	0.281	0.0	1	65.000	STAIRWAY NO.1
6	12.000	25.000	0.0	2	37.000	STAIRWAY NO.2
3	0.333	35.239	0.250	2	0.0	STAIRWAY NO.2
3	0.333	16.360	0.250	1	0.0	STAIRWAY NO.2
3	0.333	23.000	0.250	1	0.0	STAIRWAY NO.2
4	0.906	2.500	0.0	35	7.360	STAIRWAY NO.2
5	2.500	2.500	0.250	14	2.500	STAIRWAY NO.2
6	12.000	25.000	0.0	1	16.360	STAIRWAY NO.2
1	1.900	0.145	0.0	1	53.000	STAIRWAY NO.2
2	12.000	27.000	0.0	3	3.750	STAIRWAY NO.2
4	4.010	4.010	0.0	1	7.360	STAIRWAY NO.2
[illegible]	4.500	0.337	0.0	3	5.000	STAIRWAY NO.2
1	1.900	0.145	0.0	1	176.000	STAIRWAY NO.2
6	12.000	25.000	0.0	2	16.667	STAIRWAY NO.3
3	0.333	16.333	0.250	2	0.0	STAIRWAY NO.3
6	12.000	25.000	0.0	2	5.000	STAIRWAY NO.3
6	12.000	25.000	0.0	1	3.000	STAIRWAY NO.3
3	0.333	5.000	0.250	2	0.0	STAIRWAY NO.3
4	0.906	2.500	0.0	15	7.360	STAIRWAY NO.3
5	2.500	2.500	0.250	8	2.500	STAIRWAY NO.3
1	1.900	0.145	0.0	1	128.000	STAIRWAY NO.3
6	10.000	15.300	0.0	2	25.500	STAIRWAY NO.4

3	0.333	25.000	0.250	2	0.0	STAIRWAY NO.4
4	0.906	2.500	0.0	24	[illegible]	STAIRWAY NO.4
[illegible]	1.900	0.145	0.0	1	135.[illegible]	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.[illegible]	STAIRWAY NO.4
3	0.250	2.500	0.375	1	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	6.750	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	4	3.000	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	1.083	ANTI-CLIMB DEVICE
3	0.208	48.500	0.375	2	0.0	SAFETY LADDER
3	0.208	0.750	0.375	16	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	NAV-AID SUPPORT BRKT

MATERIAL LISTING PROGRAM

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*                                                   *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                   *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                CREST OFFSHORE, INC.               *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                   *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                  TULSA, OKLAHOMA                  *    CCCCCCCCC                EEEEEEEEE
*                                                   *    CCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
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*                                                   *    CCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                   *    CCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*               CREATED IN APRIL 1974               *    CCCCCCCCC                EEEEEEEEE
*                 MODIFIED FEB 1975                 *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                   *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 1.000 WT	3	5.00	15.00	6574.4
30.000 O.D. X 1.750 WT	3	5.00	15.00	7927.4
30.000 O.D. X 1.500 WT	2	6.79	13.58	6207.0
30.000 O.D. X 1.500 WT	3	5.00	15.00	6855.0
30.000 O.D. X 1.500 WT	1	4.39	4.39	2008.5
30.000 O.D. X 1.000 WT	3	18.97	56.91	17641.9
30.000 O.D. X 1.000 WT	3	9.08	27.25	8447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2496.5
30.000 O.D. X 1.000 WT	2	5.66	11.31	3507.5
12.750 O.D. X 1.000 WT	3	2.67	8.00	1005.0
12.750 O.D. X 0.750 WT	3	2.67	8.00	769.8
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.8
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.8
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
8.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
8.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
8.625 O.D. X 0.322 WT	2	13.79	27.58	788.1
6.625 O.D. X 0.500 WT	1	12.00	12.00	392.9
6.625 O.D. X 0.500 WT	3	5.67	17.00	556.6
4.500 O.D. X 0.337 WT	1	50.50	50.50	757.4
4.500 O.D. X 0.337 WT	3	5.67	17.00	255.0
4.500 O.D. X 0.337 WT	3	5.00	15.00	225.0
2.375 O.D. X 0.154 WT	1	14.00	14.00	51.2
2.375 O.D. X 0.154 WT	3	7.72	23.16	84.7
2.375 O.D. X 0.154 WT	1	6.75	6.75	24.7
2.375 O.D. X 0.154 WT	4	3.00	12.00	43.9
2.375 O.D. X 0.154 WT	1	1.08	1.08	4.0
2.375 O.D. X 0.154 WT	51	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.8
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	590.00	590.00	1605.0
1.900 O.D. X 0.145 WT	1	176.00	176.00	478.8
1.900 O.D. X 0.145 WT	1	135.00	135.00	367.2
1.900 O.D. X 0.145 WT	1	131.00	131.00	356.4
1.900 O.D. X 0.145 WT	1	128.00	128.00	348.2

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
1.900 O.D. X 0.145 WT	1	53.00	53.00	144.2

TOTAL WEIGHT OF PIPE MEMBERS = 83325.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
W 21 X 73.00	1	26.67	26.67	1946.7
W 18 X 50.00	5	26.38	131.88	6593.8
W 18 X 50.00	1	7.92	7.92	395.8
W 12 X 27.00	1	18.25	18.25	492.8
W 12 X 27.00	2	10.17	20.33	549.0
W 12 X 27.00	1	5.00	5.00	135.0
W 12 X 27.00	3	3.75	11.25	303.8
W 12 X 27.00	1	3.67	3.67	99.0
W 12 X 27.00	2	3.27	6.54	176.6
W 8 X 24.00	2	14.58	29.17	700.0
W 8 X 24.00	4	14.50	58.00	1392.0
W 8 X 24.00	3	4.58	13.75	330.0
W 8 X 24.00	4	4.23	16.92	406.0
W 8 X 24.00	2	4.00	8.00	192.0
W 8 X 24.00	2	3.27	6.54	157.0
W 6 X 15.50	1	13.00	13.00	201.5
W 6 X 15.50	2	11.92	23.83	369.4
W 6 X 15.50	1	11.58	11.58	179.5
W 6 X 15.50	7	10.75	75.25	1166.4
W 6 X 15.50	1	10.00	10.00	155.0
W 6 X 15.50	2	8.92	17.83	276.4
W 6 X 15.50	1	8.75	8.75	135.6
W 6 X 15.50	1	8.00	8.00	124.0
W 6 X 15.50	3	7.75	23.25	360.4
W 6 X 15.50	1	7.17	7.17	111.1
W 6 X 15.50	2	5.83	11.67	180.8
W 6 X 15.50	1	5.75	5.75	89.1
W 6 X 15.50	2	4.92	9.83	152.4
W 6 X 15.50	1	4.33	4.33	67.2
W 6 X 15.50	4	3.00	12.00	186.0
W 6 X 15.50	1	2.92	2.92	45.2
W 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF W-SHAPE MEMBERS= 17754.6

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)	
2.21 X 3.58 X 1.250	3	23.76	1212.5	
1.74 X 1.74 X 1.250	6	18.17	927.2	
5.32 X 5.32 X 1.000	3	84.91	3467.0	
2.36 X 2.36 X 1.000	3	16.71	682.3	
0.67 X 1.10 X 1.000	6	4.42	180.4	
0.74 X 0.74 X 1.000	6	3.27	133.4	
1.79 X 1.79 X 0.750	6	19.22	588.8	
0.67 X 3.21 X 0.750	6	12.84	393.2	
0.88 X 1.21 X 0.750	2	2.11	64.7	
3.64 X 3.64 X 0.500	3	39.75	811.5	
0.67 X 10.08 X 0.500	3	20.17	411.8	
0.83 X 1.25 X 0.500	2	2.08	42.5	
1.00 X 1.00 X 0.500	3	3.00	61.2	
0.30 X 1.41 X 0.500	14	5.94	121.4	
0.17 X 0.71 X 0.500	50	5.91	120.7	
0.33 X 136.00 X 0.375	1	45.29	693.5	
0.21 X 48.50 X 0.375	2	20.18	308.9	
0.92 X 1.00 X 0.375	15	13.75	210.6	
0.25 X 2.50 X 0.375	1	0.63	9.6	
0.21 X 0.75 X 0.375	16	2.50	38.2	
25.27 X 25.27 X 0.276	1	638.57	7196.7	1/4" Checkered Floor Plate
19.66 X 19.66 X 0.276	1	386.52	4356.0	1/4" Checkered Floor Plate
0.33 X 183.00 X 0.250	1	60.94	622.1	
0.33 X 35.24 X 0.250	2	23.47	239.6	
0.33 X 25.21 X 0.250	2	16.79	171.4	
0.33 X 25.00 X 0.250	2	16.65	170.0	
0.33 X 23.00 X 0.250	1	7.66	78.2	
0.33 X 16.36 X 0.250	1	5.45	55.6	
0.33 X 16.33 X 0.250	2	10.88	111.0	
0.33 X 12.00 X 0.250	1	4.00	40.8	
0.33 X 5.00 X 0.250	2	3.33	34.0	
1.00 X 1.00 X 0.250	4	4.00	40.8	
0.17 X 2.45 X 0.250	1	0.41	4.2	
0.32 X 0.49 X 0.250	34	5.37	54.8	
0.38 X 0.38 X 0.250	2	0.28	2.9	

U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
0.28 X 0.49 X 0.250	15	2.06	21.0
0.50 X 10.34 X 0.125	3	15.51	79.2

TOTAL WEIGHT OF PLATES = 23757.8

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
5.000 X 3.000 X 0.375	1	11.33	11.33	110.3
5.000 X 3.000 X 0.375	3	10.42	31.25	304.1
5.000 X 3.000 X 0.375	1	9.60	9.60	93.4
5.000 X 3.000 X 0.375	1	5.23	5.23	50.9
5.000 X 3.000 X 0.375	1	4.38	4.38	42.6
5.000 X 3.000 X 0.375	1	2.33	2.33	22.7
5.000 X 3.000 X 0.375	2	1.83	3.67	35.7
5.000 X 3.000 X 0.375	1	1.33	1.33	13.0
5.000 X 3.000 X 0.375	7	0.58	4.08	39.7
4.000 X 3.000 X 0.375	2	8.00	16.00	135.3
4.000 X 3.000 X 0.375	2	3.67	7.33	62.0
3.000 X 3.000 X 0.375	1	40.00	40.00	287.1
3.000 X 3.000 X 0.250	4	1.33	5.33	26.1
2.500 X 2.500 X 0.250	4	3.22	12.87	52.0
2.500 X 2.500 X 0.250	33	2.50	82.50	333.4

TOTAL WEIGHT OF ANGLES = 1608.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
5.79 X 5.79	1	7.36	33.52	246.7
4.01 X 4.01	1	7.36	16.08	118.3
0.91 X 2.50	25	7.36	56.87	418.6
0.91 X 2.50	74	7.36	167.61	1233.6
0.63 X 3.22	1	7.36	2.01	14.8

TOTAL WEIGHT OF GRATING = 2032.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 25.00	2	37.00	74.00	1850.0
C 12 X 25.00	2	16.67	33.33	833.3
C 12 X 25.00	1	16.36	16.36	409.0
C 12 X 25.00	2	5.00	10.00	250.0
C 12 X 25.00	1	3.00	3.00	75.0
C 12 X 20.70	3	1.25	3.75	77.6
C 10 X 15.30	2	25.50	51.00	780.3

TOTAL WEIGHT OF CHANNELS = 4275.3

TOTAL WEIGHT = 132752.7

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 25.00	136.69	3417.35
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71	
1.000 THICKNESS	109.30	4463.16	
0.750 THICKNESS	34.18	1046.67	
0.500 THICKNESS	76.86	1569.18	
0.375 THICKNESS	82.34	1260.83	
0.250 THICKNESS	1186.36 (1025FT²)*	13199.09 — (11552.7#)*	* 1/4" Checkered Floor Plate
0.125 THICKNESS	15.51	79.17	

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

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TOTAL WEIGHT 132752.69 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30.000	1.750	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	9.083	SHT.1 LEG CAN
1	30.000	1.500	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	1	8.053	SHT.1 LEG CAN
1	30.000	1.000	0.0	2	5.657	SHT.1 LEG CAN
1	30.000	1.500	0.0	1	4.395	SHT.1 LEG CAN
1	30.000	1.500	0.0	2	6.791	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	18.969	SHT.1 LEG CAN
3	5.320	5.320	1.000	3	0.0	SHT.1 LEG CONE
1	42.000	1.000	0.0	3	5.000	SHT.1 LEG CAN
2	18.000	50.000	0.0	5	26.375	SHT.1 HORIZBRACE
2	21.000	73.000	0.0	1	26.667	SHT.1 HORIZBRACE
1	12.750	0.500	0.0	3	24.333	SHT.1 DIAGBRACE
1	12.750	1.000	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.750	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.500	0.0	3	22.293	SHT.1 HORIZBRACE
1	12.750	0.750	0.0	6	2.437	SHT.1 HORIZBRACE
1	8.625	0.322	0.0	2	13.788	SHT.1 DIAGBRACE
2	8.000	24.000	0.0	3	4.583	SHT.2 BRACES
2	6.000	15.500	0.0	3	7.750	SHT.2 BRACES
2	8.000	24.000	0.0	3	14.500	SHT.2 BRACES
2	6.000	15.500	0.0	1	8.000	SHT.2 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.2 BRACES
2	12.000	27.000	0.0	1	5.000	SHT.2 BRACES
2	12.000	27.000	0.0	1	3.667	SHT.2 BRACES
3	0.333	136.000	0.375	1	0.0	SHT.2 FLRPLTSUPPT.
3	19.660	19.660	0.276	1	0.0	SHT.2 FLRPLT .250THK
2	6.000	15.500	0.0	1	2.917	SHT.3 BRACES
2	6.000	15.500	0.0	1	5.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	8.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	11.583	SHT.3 BRACES
2	8.000	24.000	0.0	1	14.500	SHT.3 BRACES
2	6.000	15.500	0.0	2	2.750	SHT.3 BRACES
2	6.000	15.500	0.0	2	5.833	SHT.3 BRACES
2	6.000	15.500	0.0	2	8.917	SHT.3 BRACES
2	18.000	50.000	0.0	1	7.917	SHT.3 BRACES
2	6.000	15.500	0.0	2	11.917	SHT.3 BRACES
2	8.000	24.000	0.0	2	14.583	SHT.3 BRACES
2	6.000	15.500	0.0	1	4.333	SHT.3 BRACES
2	6.000	15.500	0.0	1	7.167	SHT.3 BRACES
2	6.000	15.500	0.0	1	10.000	SHT.3 BRACES
2	6.000	15.500	0.0	1	13.000	SHT.3 BRACES
2	12.000	27.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.000	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.3 BRACES
2	12.000	27.000	0.0	2	10.167	SHT.3 BRACES
2	12.000	27.000	0.0	1	18.250	SHT.3 BRACES
2	6.000	15.500	0.0	2	4.917	SHT.3 BRACES
2	6.000	15.500	0.0	7	10.750	SHT.3 BRACES
2	6.000	15.500	0.0	4	3.000	SHT.3 BRACES
3	1.000	1.000	0.250	4	0.0	SHT.3 BRACES
3	0.302	1.406	0.500	14	0.0	SHT.3 BRACES
3	25.270	25.270	0.276	1	0.0	SHT.3 FLRPLT .250THK
3	0.667	10.080	0.500	3	0.0	SHT.4 LEG POINT
3	3.640	3.640	0.500	3	0.0	SHT.4 LEG POINT
3	1.000	1.000	0.500	3	0.0	SHT.4 LEG POINT
3	0.667	3.208	0.750	6	0.0	SHT.4 LEG POINT
3	1.790	1.790	0.750	6	0.0	SHT.4 LEG POINT

[illegible]	[illegible]	[illegible]	0,750	6	0,0	SHT,4 LEG [illegible]
3	0,500	10,340	0,125	3	0,0	SHT,4 LEG POINT
[illegible]	2,210	3,583	1,250	3	0,[illegible]	SHT,4 LIFTLUG
[illegible]	1,740	1,740	1,250	6	0,[illegible]	SHT,4 LIFTLUG
3	2,360	2,360	1,000	3	0,0	SHT,4 LIFTLUG
3	0,738	0,738	1,000	6	0,0	SHT,4 LIFTLUG
3	0,667	1,104	1,000	6	0,0	SHT,4 LIFTLUG
3	0,875	1,208	0,750	2	0,0	SHT,4
1	2,375	0,154	0,0	51	0,489	SHT,5 HANDRAIL DET,
3	0,323	0,489	0,250	34	0,0	SHT,5 HANDRAIL DET,
3	0,281	0,489	0,250	15	0,0	SHT,5 HANDRAIL DET,
1	2,375	0,154	0,0	62	0,083	SHT,5 HANDRAIL DET,
3	0,333	183,000	0,250	1	0,0	SHT,5 HANDRAIL DET,
1	1,900	0,145	0,0	1	590,000	SHT,5 HANDRAIL DET,
1	4,500	0,337	0,0	1	50,500	ANTENNA MOUNT
3	0,375	0,375	0,250	2	0,0	ANTENNA MOUNT
3	0,917	1,000	0,375	15	0,0	ANTENNA MOUNT
5	3,000	3,000	0,375	1	40,000	ANTENNA MOUNT
5	3,000	3,000	0,250	4	1,333	BATTERY BOX TIE DOWN
5	4,000	3,000	0,375	2	8,000	SOLAR PANEL SUPPORT
5	4,000	3,000	0,375	2	3,667	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	11,333	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	3	10,417	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	9,600	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	4,375	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	5,229	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	7	0,583	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	1,333	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	2	1,833	SOLAR PANEL SUPPORT
5	5,000	3,000	0,375	1	2,333	SOLAR PANEL SUPPORT
1	8,625	0,500	0,0	2	27,000	STAIRWAY NO,1
1	6,625	0,500	0,0	1	12,000	STAIRWAY NO,1
1	6,625	0,500	0,0	3	5,667	STAIRWAY NO,1
4	5,790	5,790	0,0	1	7,360	STAIRWAY NO,1
1	4,500	0,337	0,0	3	5,667	STAIRWAY NO,1
4	0,910	2,500	0,0	25	7,360	STAIRWAY NO,1
3	0,333	12,000	0,250	1	0,0	STAIRWAY NO,1
1	8,625	0,500	0,0	2	0,750	STAIRWAY NO,1
3	0,167	2,450	0,250	1	0,0	STAIRWAY NO,1
3	0,167	0,708	0,500	50	0,0	STAIRWAY NO,1
4	0,625	3,218	0,0	1	7,360	STAIRWAY NO,1
3	0,833	1,250	0,500	2	0,0	STAIRWAY NO,1
5	2,500	2,500	0,250	4	3,218	STAIRWAY NO,1
3	0,333	25,208	0,250	2	0,0	STAIRWAY NO,1
1	1,900	0,145	0,0	1	131,000	STAIRWAY NO,1
1	1,900	0,281	0,0	1	65,000	STAIRWAY NO,1
6	12,000	25,000	0,0	2	37,000	STAIRWAY NO,2
3	0,333	35,239	0,250	2	0,0	STAIRWAY NO,2
3	0,333	16,360	0,250	1	0,0	STAIRWAY NO,2
3	0,333	23,000	0,250	1	0,0	STAIRWAY NO,2
4	0,906	2,500	0,0	35	7,360	STAIRWAY NO,2
5	2,500	2,500	0,250	14	2,500	STAIRWAY NO,2
6	12,000	25,000	0,0	1	16,360	STAIRWAY NO,2
1	1,900	0,145	0,0	1	53,000	STAIRWAY NO,2
2	12,000	27,000	0,0	3	3,750	STAIRWAY NO,2
4	4,010	4,010	0,0	1	7,360	STAIRWAY NO,2
1	4,500	0,337	0,0	3	5,000	STAIRWAY NO,2
1	1,900	0,145	0,0	1	176,000	STAIRWAY NO,2
6	12,000	25,000	0,0	2	16,667	STAIRWAY NO,3
3	0,333	16,333	0,250	2	0,0	STAIRWAY NO,3
6	12,000	25,000	0,0	2	5,000	STAIRWAY NO,3
6	12,000	25,000	0,0	1	3,000	STAIRWAY NO,3
3	0,333	5,000	0,250	2	0,0	STAIRWAY NO,3
4	0,906	2,500	0,0	15	7,360	STAIRWAY NO,3
5	2,500	2,500	0,250	8	2,500	STAIRWAY NO,3
1	1,900	0,145	0,0	1	128,000	STAIRWAY NO,3
6	10,000	15,300	0,0	2	25,500	STAIRWAY NO,4

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	STAIRWAY NO.4
3	0.333	25.000	0.250	2	0.0	STAIRWAY NO.4
4	0.906	2.500	0.0	24	[illegible]	STAIRWAY NO.4
1	1.900	0.145	0.0	1	[illegible]	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.500	STAIRWAY NO.4
3	0.250	2.500	0.375	1	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	6.750	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	4	3.000	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	1.083	ANTI-CLIMB DEVICE
3	0.208	48.500	0.375	2	0.0	SAFETY LADDER
3	0.208	0.750	0.375	16	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	NAV-AID SUPPORT BRKT

MATERIAL LISTING PROGRAM

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*                                                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*               CREST OFFSHORE, INC.             *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                 TULSA, OKLAHOMA                *     CCCCCCCCCC               EEEEEEEEE
*                                                *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
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*                                                *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*             CREATED IN APRIL 1974              *     CCCCCCCCCC               EEEEEEEEE
*               MODIFIED FEB 1975                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 1.000 WT	3	5.00	15.00	6574.4
30.000 O.D. X 1.750 WT	3	5.00	15.00	7927.4
30.000 O.D. X 1.500 WT	2	6.79	13.58	6207.0
30.000 O.D. X 1.500 WT	3	5.00	15.00	6855.0
30.000 O.D. X 1.500 WT	1	4.39	4.39	2008.5
30.000 O.D. X 1.000 WT	3	18.97	56.91	17641.9
30.000 O.D. X 1.000 WT	3	9.08	27.25	8447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2496.5
30.000 O.D. X 1.000 WT	2	5.66	11.31	3507.5
12.750 O.D. X 1.000 WT	3	2.67	8.00	1005.0
12.750 O.D. X 0.750 WT	3	2.67	8.00	769.8
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.8
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.8
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
8.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
8.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
8.625 O.D. X 0.322 WT	2	13.79	27.58	788.1
6.625 O.D. X 0.500 WT	1	12.00	12.00	392.9
6.625 O.D. X 0.500 WT	3	5.67	17.00	556.6
4.500 O.D. X 0.337 WT	1	50.50	50.50	757.4
4.500 O.D. X 0.337 WT	3	5.67	17.00	255.0
4.500 O.D. X 0.337 WT	3	5.00	15.00	225.0
2.375 O.D. X 0.154 WT	1	14.00	14.00	51.2
2.375 O.D. X 0.154 WT	3	7.72	23.16	84.7
2.375 O.D. X 0.154 WT	1	6.75	6.75	24.7
2.375 O.D. X 0.154 WT	4	3.00	12.00	43.9
2.375 O.D. X 0.154 WT	1	1.08	1.08	4.0
2.375 O.D. X 0.154 WT	51	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.8
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	590.00	590.00	1605.0
1.900 O.D. X 0.145 WT	1	176.00	176.00	478.8
1.900 O.D. X 0.145 WT	1	135.00	135.00	367.2
1.900 O.D. X 0.145 WT	1	131.00	131.00	356.4
1.900 O.D. X 0.145 WT	1	128.00	128.00	348.2

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
1.900 O.D. X 0.145 WT	1	53.00	53.00	144.2

TOTAL WEIGHT OF PIPE MEMBERS = 83325.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
W 21 X 73.00	1	26.67	26.67	1946.7
W 18 X 50.00	5	26.38	131.88	6593.8
W 18 X 50.00	1	7.92	7.92	395.8
W 12 X 27.00	1	18.25	18.25	492.8
W 12 X 27.00	2	10.17	20.33	549.0
W 12 X 27.00	1	5.00	5.00	135.0
W 12 X 27.00	3	3.75	11.25	303.8
W 12 X 27.00	1	3.67	3.67	99.0
W 12 X 27.00	2	3.27	6.54	176.6
W 8 X 24.00	2	14.58	29.17	700.0
W 8 X 24.00	4	14.50	58.00	1392.0
W 8 X 24.00	3	4.58	13.75	330.0
W 8 X 24.00	4	4.23	16.92	406.0
W 8 X 24.00	2	4.00	8.00	192.0
W 8 X 24.00	2	3.27	6.54	157.0
W 6 X 15.50	1	13.00	13.00	201.5
W 6 X 15.50	2	11.92	23.83	369.4
W 6 X 15.50	1	11.58	11.58	179.5
W 6 X 15.50	7	10.75	75.25	1166.4
W 6 X 15.50	1	10.00	10.00	155.0
W 6 X 15.50	2	8.92	17.83	276.4
W 6 X 15.50	1	8.75	8.75	135.6
W 6 X 15.50	1	8.00	8.00	124.0
W 6 X 15.50	3	7.75	23.25	360.4
W 6 X 15.50	1	7.17	7.17	111.1
W 6 X 15.50	2	5.83	11.67	180.8
W 6 X 15.50	1	5.75	5.75	89.1
W 6 X 15.50	2	4.92	9.83	152.4
W 6 X 15.50	1	4.33	4.33	67.2
W 6 X 15.50	4	3.00	12.00	186.0
W 6 X 15.50	1	2.92	2.92	45.2
W 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF W-SHAPE MEMBERS= 17754.6

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)	
2.21 X 3.58 X 1.250	3	23.76	1212.5	
1.74 X 1.74 X 1.250	6	18.17	927.2	
5.32 X 5.32 X 1.000	3	84.91	3467.0	
2.36 X 2.36 X 1.000	3	16.71	682.3	
0.67 X 1.10 X 1.000	6	4.42	180.4	
0.74 X 0.74 X 1.000	6	3.27	133.4	
1.79 X 1.79 X 0.750	6	19.22	588.8	
0.67 X 3.21 X 0.750	6	12.84	393.2	
0.88 X 1.21 X 0.750	2	2.11	64.7	
3.64 X 3.64 X 0.500	3	39.75	811.5	
0.67 X 10.08 X 0.500	3	20.17	411.8	
0.83 X 1.25 X 0.500	2	2.08	42.5	
1.00 X 1.00 X 0.500	3	3.00	61.2	
0.30 X 1.41 X 0.500	14	5.94	121.4	
0.17 X 0.71 X 0.500	50	5.91	120.7	
0.33 X 136.00 X 0.375	1	45.29	693.5	
0.21 X 48.50 X 0.375	2	20.18	308.9	
0.92 X 1.00 X 0.375	15	13.75	210.6	
0.25 X 2.50 X 0.375	1	0.63	9.6	
0.21 X 0.75 X 0.375	16	2.50	38.2	
25.27 X 25.27 X 0.276	1	638.57	7196.7	1/4" Checkered Floor Plate
19.66 X 19.66 X 0.276	1	386.52	4356.0	
0.33 X 183.00 X 0.250	1	60.94	622.1	
0.33 X 35.24 X 0.250	2	23.47	239.6	
0.33 X 25.21 X 0.250	2	16.79	171.4	
0.33 X 25.00 X 0.250	2	16.65	170.0	
0.33 X 23.00 X 0.250	1	7.66	78.2	
0.33 X 16.36 X 0.250	1	5.45	55.6	
0.33 X 16.33 X 0.250	2	10.88	111.0	
0.33 X 12.00 X 0.250	1	4.00	40.8	
0.33 X 5.00 X 0.250	2	3.33	34.0	
1.00 X 1.00 X 0.250	4	4.00	40.8	
0.17 X 2.45 X 0.250	1	0.41	4.2	
0.32 X 0.49 X 0.250	34	5.37	54.8	
0.38 X 0.38 X 0.250	2	0.28	2.9	

U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
0.28 X 0.49 X 0.250	15	2.06	21.0
0.50 X 10.34 X 0.125	3	15.51	79.2

TOTAL WEIGHT OF PLATES = 23757.8

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
5.79 X 5.79	1	7.36	33.52	246.7
4.01 X 4.01	1	7.36	16.08	118.3
0.91 X 2.50	25	7.36	56.87	418.6
0.91 X 2.50	74	7.36	167.61	1233.6
0.63 X 3.22	1	7.36	2.01	14.8

TOTAL WEIGHT OF GRATING = 2032.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
5.000 X 3.000 X 0.375	1	11.33	11.33	110.3
5.000 X 3.000 X 0.375	3	10.42	31.25	304.1
5.000 X 3.000 X 0.375	1	9.60	9.60	93.4
5.000 X 3.000 X 0.375	1	5.23	5.23	50.9
5.000 X 3.000 X 0.375	1	4.38	4.38	42.6
5.000 X 3.000 X 0.375	1	2.33	2.33	22.7
5.000 X 3.000 X 0.375	2	1.83	3.67	35.7
5.000 X 3.000 X 0.375	1	1.33	1.33	13.0
5.000 X 3.000 X 0.375	7	0.58	4.08	39.7
4.000 X 3.000 X 0.375	2	8.00	16.00	135.3
4.000 X 3.000 X 0.375	2	3.67	7.33	62.0
3.000 X 3.000 X 0.375	1	40.00	40.00	287.1
3.000 X 3.000 X 0.250	4	1.33	5.33	26.1
2.500 X 2.500 X 0.250	4	3.22	12.87	52.0
2.500 X 2.500 X 0.250	33	2.50	82.50	333.4

TOTAL WEIGHT OF ANGLES = 1608.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

CHANNELS

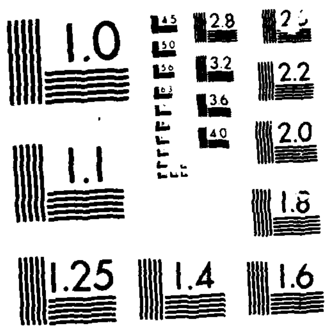
NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 25.00	2	37.00	74.00	1850.0
C 12 X 25.00	2	16.67	33.33	833.3
C 12 X 25.00	1	16.36	16.36	409.0
C 12 X 25.00	2	5.00	10.00	250.0
C 12 X 25.00	1	3.00	3.00	75.0
C 12 X 20.70	3	1.25	3.75	77.6
C 10 X 15.30	2	25.50	51.00	780.3

TOTAL WEIGHT OF CHANNELS = 4275.3

TOTAL WEIGHT = 132752.7

AD-A165 689 DESIGN CALCULATIONS 93' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-95 CHES/NAVFAC-FPO-7614 7/7

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	37093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 25.00	136.69	3417.35
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71
1.000 THICKNESS	109.30	4463.16
0.750 THICKNESS	34.18	1046.67
0.500 THICKNESS	76.86	1569.18
0.375 THICKNESS	82.34	1260.83
0.250 THICKNESS	1186.36 (1025 FT²)*	13199.09 (11552.7#)*
0.125 THICKNESS	15.51	79.17

* 1/4" Checkered Floor Plate

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

TOTAL WEIGHT 132752.69 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

1	48.000	1.750	0.0	3	7.500	SHT.1 JKTCAN
1	47.500	1.500	0.0	3	24.050	SHT.1 JKTLEG
1	45.500	0.500	0.0	3	18.440	SHT.1 JKTLEG
1	47.500	1.500	0.0	3	7.000	SHT.1 JKTCAN
1	45.500	0.500	0.0	3	21.110	SHT.1 JKTLEG
1	47.500	1.500	0.0	3	7.000	SHT.1 JKTCAN
1	45.500	0.500	0.0	3	21.780	SHT.1 JKTLEG
1	47.000	1.250	0.0	3	6.000	SHT.1 JKTLEG
1	16.000	0.750	0.0	6	2.458	SHT.1 JKTHORIZBRC
1	16.000	0.625	0.0	3	26.970	SHT.1 JKTHORIZBRC
1	20.000	1.125	0.0	3	38.150	SHT.1 JKTDIAGBRC
1	20.000	0.750	0.0	3	2.750	SHT.1 JKTDIAGBRC
1	20.000	0.750	0.0	3	3.417	SHT.1 JKTDIAGBRC
1	20.000	0.625	0.0	3	43.680	SHT.1 JKTDIAGBRC
1	12.750	0.375	0.0	3	33.770	SHT.1 JKTHORIZBRC
1	12.750	0.375	0.0	3	41.350	SHT.1 JKTHORIZBRC
1	20.000	0.750	0.0	3	2.667	SHT.1 JKTDIAGBRC
1	20.000	0.625	0.0	3	57.760	SHT.1 JKTDIAGBRC
1	14.000	0.500	0.0	3	49.320	SHT.1 JKTHORIZBRC
1	16.000	0.750	0.0	6	3.083	SHT.1 JKTDIAGBRC
1	16.000	0.750	0.0	6	3.250	SHT.1 JKTDIAGBRC
1	16.000	0.625	0.0	6	35.450	SHT.1 JKTDIAGBRC
1	20.000	0.625	0.0	6	24.130	SHT.1 JKTHORIZBRC
1	24.000	0.875	0.0	3	7.000	SHT.1 JKTHORIZBRC
3	1.250	6.280	0.750	6	0.0	SHT.1 JKTHORIZBRC
1	2.875	0.375	0.0	12	0.500	SHT.3 (+)12-0
3	0.250	4.500	0.250	1	0.0	SHT.3 (+)12-0
1	10.750	0.365	0.0	3	14.833	SHT.3 (+)12-0
1	6.625	0.280	0.0	1	54.750	SHT.3 (+)12-0
1	8.625	0.500	0.0	1	18.420	SHT.3 (+)12-0
4	5.000	9.167	0.0	1	7.360	SHT.3 (+)12-0
4	4.000	17.000	0.0	1	7.360	SHT.3 (+)12-0
4	9.080	9.080	0.0	1	7.360	SHT.3 (+)12-0
1	10.750	0.365	0.0	3	17.750	SHT. 4 (-)13-0
1	10.750	0.365	0.0	3	21.583	SHT. 4 (-)39-0
1	10.750	0.365	0.0	3	25.333	SHT. 5 (-)66-0
1	14.000	0.375	0.0	3	28.500	SHT. 5 (-)93-0
3	1.552	2.583	1.375	6	0.0	SHIM PLATES
3	1.552	2.583	1.250	24	0.0	SHIM PLATES
3	1.552	2.583	1.125	6	0.0	SHIM PLATES
3	1.500	2.460	0.625	12	0.0	PILE GUIDES
3	2.000	2.460	0.625	48	0.0	PILE GUIDES
3	3.544	3.544	0.625	3	0.0	FLOODING SYSTEM
3	0.500	1.500	0.500	6	0.0	FLOODING SYSTEM
5	4.000	6.000	0.375	6	4.000	FLOODING SYSTEM
1	10.750	0.365	0.0	3	0.500	FLOODING SYSTEM
3	0.437	0.437	0.250	3	0.0	FLOODING SYSTEM
1	2.375	0.154	0.0	3	103.500	FLOODING SYSTEM
1	3.500	0.216	0.0	11	1.000	FLOODING SYSTEM
1	3.500	0.216	0.0	11	1.250	FLOODING SYSTEM
3	1.250	1.250	0.375	2	0.0	FLOODING SYSTEM
3	1.000	1.000	0.375	1	0.0	FLOODING SYSTEM
3	1.667	5.500	2.000	2	0.0	LIFTING EYES DET.1
3	1.330	1.330	1.500	4	0.0	LIFTING EYES DET.1
3	1.437	2.250	1.000	8	0.0	LIFTING EYES DET.1
3	1.667	5.500	2.000	3	0.0	LIFTING EYES SEC.A
3	1.330	1.330	1.500	6	0.0	LIFTING EYES SEC.A
3	1.437	2.250	1.000	6	0.0	LIFTING EYES SEC.A
3	1.000	1.000	0.500	60	0.0	ANODE GUSSETS

MATERIAL LISTING PROGRAM

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*                                                  *    CCCCCCCCCCCCCCCCCCCCCCCCC  EEEEEEEEEEEEEEEEEEEEEEEEE
*              CREST OFFSHORE, INC.                *    CCCCCCCCCCCCCCCCCCCCCCCCC  EEEEEEEEEEEEEEEEEEEEEEEEE
*                                                  *    CCCCCCCCCCCCCCCCCCCCCCCCC  EEEEEEEEEEEEEEEEEEEEEEEEE
*                TULSA, OKLAHOMA                   *    CCCCCCCCCCCCCCCCCCCCCCCCC  EEEEEEEEEEEEEEEEEEEEEEEEE
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*                                                  *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*             CREATED IN APRIL 1974                *    CCCCCCCCCC                 EEEEEEEEE
*              MODIFIED FEB 1975                   *    CCCCCCCCCCCCCCCCCCCCCCCCC  EEEEEEEEEEEEEEEEEEEEEEEEE
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U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
48.000 O.D. X 1.750 WT	3	7.50	22.50	19467.7
47.500 O.D. X 1.500 WT	3	24.05	72.15	53219.1
47.500 O.D. X 1.500 WT	6	7.00	42.00	30980.0
47.000 O.D. X 1.250 WT	3	6.00	18.00	11004.1
45.500 O.D. X 0.500 WT	3	21.78	65.34	15716.1
45.500 O.D. X 0.500 WT	3	21.11	63.33	15232.6
45.500 O.D. X 0.500 WT	3	18.44	55.32	13306.0
24.000 O.D. X 0.875 WT	3	7.00	21.00	4542.5
20.000 O.D. X 1.125 WT	3	38.15	114.45	25979.9
20.000 O.D. X 0.750 WT	3	3.42	10.25	1582.1
20.000 O.D. X 0.750 WT	3	2.75	8.25	1273.3
20.000 O.D. X 0.750 WT	3	2.67	8.00	1234.9
20.000 O.D. X 0.625 WT	3	57.76	173.28	22431.2
20.000 O.D. X 0.625 WT	3	43.68	131.04	16963.2
20.000 O.D. X 0.625 WT	6	24.13	144.78	18741.9
16.000 O.D. X 0.750 WT	6	3.25	19.50	2384.2
16.000 O.D. X 0.750 WT	6	3.08	18.50	2261.7
16.000 O.D. X 0.750 WT	6	2.46	14.75	1803.2
16.000 O.D. X 0.625 WT	6	35.45	212.70	21849.7
16.000 O.D. X 0.625 WT	3	26.97	80.91	8311.5
14.000 O.D. X 0.500 WT	3	49.32	147.96	10676.5
14.000 O.D. X 0.375 WT	3	28.50	85.50	4670.0
12.750 O.D. X 0.375 WT	3	41.35	124.05	6154.0
12.750 O.D. X 0.375 WT	3	33.77	101.31	5025.9
10.750 O.D. X 0.365 WT	3	25.33	76.00	3079.6
10.750 O.D. X 0.365 WT	3	21.58	64.75	2623.7
10.750 O.D. X 0.365 WT	3	17.75	53.25	2157.8
10.750 O.D. X 0.365 WT	3	14.83	44.50	1803.2
10.750 O.D. X 0.365 WT	3	0.50	1.50	60.8
8.625 O.D. X 0.500 WT	1	18.42	18.42	800.0
6.625 O.D. X 0.280 WT	1	54.75	54.75	1039.8
3.500 O.D. X 0.216 WT	11	1.25	13.75	104.3
3.500 O.D. X 0.216 WT	11	1.00	11.00	83.4
2.875 O.D. X 0.375 WT	12	0.50	6.00	60.1
2.375 O.D. X 0.154 WT	3	103.50	310.50	1135.3

TOTAL WEIGHT OF PIPE MEMBERS = 327758.2

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
1.67 X 5.50 X 2.000	5	45.84	3743.8
1.33 X 1.33 X 1.500	10	17.69	1083.4
1.55 X 2.58 X 1.375	6	24.05	1350.5
1.55 X 2.58 X 1.250	24	96.21	4910.8
1.55 X 2.58 X 1.125	6	24.05	1104.9
1.44 X 2.25 X 1.000	14	45.27	1848.3
1.25 X 6.28 X 0.750	6	47.10	1442.4
3.54 X 3.54 X 0.625	3	37.68	961.6
2.00 X 2.46 X 0.625	48	236.16	6027.0
1.50 X 2.46 X 0.625	12	44.28	1130.1
1.00 X 1.00 X 0.500	60	60.00	1225.0
0.50 X 1.50 X 0.500	6	4.50	91.9
1.25 X 1.25 X 0.375	2	3.13	47.9
1.00 X 1.00 X 0.375	1	1.00	15.3
0.25 X 4.50 X 0.250	1	1.13	11.5
0.44 X 0.44 X 0.250	3	0.57	5.8

TOTAL WEIGHT OF PLATES = 25000.2

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
9.08 X 9.08	1	7.36	82.45	606.8
4.00 X 17.00	1	7.36	68.00	500.5
5.00 X 9.17	1	7.36	45.83	337.3

TOTAL WEIGHT OF GRATING = 1444.6

U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
4.000 X 6.000 X 0.375	6	4.00	24.00	294.8

TOTAL WEIGHT OF ANGLES = 294.8

TOTAL WEIGHT = 354497.8

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. X 1.750 WT	22.50	19467.71
47.500 O.D. X 1.500 WT	114.15	84199.13
47.000 O.D. X 1.250 WT	18.00	11004.15
45.500 O.D. X 0.500 WT	183.99	44254.69
24.000 O.D. X 0.875 WT	21.00	4542.47
20.000 O.D. X 1.125 WT	114.45	25979.93
20.000 O.D. X 0.750 WT	26.50	4090.28
20.000 O.D. X 0.625 WT	449.10	58136.29
16.000 O.D. X 0.750 WT	52.75	6449.16
16.000 O.D. X 0.625 WT	293.61	30161.21
14.000 O.D. X 0.500 WT	147.96	10676.54
14.000 O.D. X 0.375 WT	85.50	4669.99
12.750 O.D. X 0.375 WT	225.36	11179.85
10.750 O.D. X 0.365 WT	240.00	9724.97
8.625 O.D. X 0.500 WT	18.42	799.96
6.625 O.D. X 0.280 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	24.75	187.68
2.875 O.D. X 0.375 WT	6.00	60.13
2.375 O.D. X 0.154 WT	310.50	1135.31

BILL OF MATERIALS SUMMARY
U.S. NAVY ACMR PLATFORM 93 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE		
6.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.84	3743.80
1.500 THICKNESS	17.69	1083.45
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.79
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	318.12	8118.67
0.500 THICKNESS	64.50	1316.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER SQ FT	196.28	1444.63

TOTAL WEIGHT 354497.75 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

1	6.625	0.432	0.0	2	12.833	BOAT LANDING
1	6.625	0.432	0.0	3	8.583	BOAT LANDING
1	6.625	0.432	0.0	2	2.667	BOAT LANDING
1	6.625	0.432	0.0	14	3.833	BOAT LANDING
1	6.625	0.432	0.0	4	13.360	BOAT LANDING
1	6.625	0.432	0.0	4	10.440	BOAT LANDING
1	4.500	0.337	0.0	3	4.083	BOAT LANDING
1	4.500	0.337	0.0	5	10.250	BOAT LANDING
1	12.750	0.843	0.0	2	15.000	BOAT LANDING
1	6.625	0.432	0.0	6	5.167	BOAT LANDING
1	6.625	0.432	0.0	4	5.667	BOAT LANDING
1	6.625	0.432	0.0	1	3.500	BOAT LANDING
1	8.625	0.500	0.0	6	4.333	BOAT LANDING
1	8.625	0.500	0.0	4	3.500	BOAT LANDING
1	6.625	0.432	0.0	1	9.750	BOAT LANDING
1	8.625	0.500	0.0	1	10.917	BOAT LANDING
1	8.625	0.500	0.0	4	21.750	BOAT LANDING
1	12.750	0.843	0.0	2	1.917	BOAT LANDING
1	2.375	0.218	0.0	10	0.333	BOAT LANDING
1	1.900	0.281	0.0	1	65.000	BOAT LANDING
1	12.750	0.843	0.0	2	2.000	BOAT LANDING
4	4.000	10.250	0.0	1	7.360	BOAT LANDING
4	3.000	4.000	0.0	2	7.360	BOAT LANDING
4	4.000	10.250	0.0	1	7.360	BOAT LANDING
3	1.167	1.167	0.500	2	0.0	BOAT LANDING
1	1.900	0.145	0.0	1	75.000	BOAT LANDING
6	6.000	8.200	0.0	2	3.750	BOAT LANDING
6	6.000	8.200	0.0	2	4.250	BOAT LANDING
4	0.510	2.500	0.0	3	7.360	BOAT LANDING
4	0.708	2.792	0.0	1	7.360	BOAT LANDING
5	2.000	2.000	0.250	1	3.000	BOAT LANDING
4	0.583	2.500	0.0	3	7.360	BOAT LANDING
5	1.000	1.000	0.125	1	3.000	BOAT LANDING
3	4.790	4.500	0.750	2	0.0	BOAT LANDING
3	3.167	2.500	0.750	2	0.0	BOAT LANDING
3	1.500	2.000	0.750	2	0.0	BOAT LANDING
1	12.750	0.843	0.0	2	4.000	BOAT LANDING
1	12.750	0.843	0.0	2	1.000	BOAT LANDING
1	10.750	0.500	0.0	2	1.333	BOAT LANDING
1	4.500	0.337	0.0	2	4.000	BOAT LANDING
6	12.000	20.700	0.0	2	1.250	BOAT LANDING
3	0.583	0.750	0.500	16	0.0	BOAT LANDING

MATERIAL LISTING PROGRAM

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*              CREST OFFSHORE, INC.             *   CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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*                TULSA, OKLAHOMA                *   CCCCCCCCCC               EEEEEEEEE
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U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
12.750 O.D. X 0.843 WT	2	15.00	30.00	3219.1
12.750 O.D. X 0.843 WT	2	4.00	8.00	858.4
12.750 O.D. X 0.843 WT	2	2.00	4.00	429.2
12.750 O.D. X 0.843 WT	2	1.92	3.83	411.4
12.750 O.D. X 0.843 WT	2	1.00	2.00	214.6
10.750 O.D. X 0.500 WT	2	1.33	2.67	146.1
8.625 O.D. X 0.500 WT	4	21.75	87.00	3778.3
8.625 O.D. X 0.500 WT	1	10.92	10.92	474.1
8.625 O.D. X 0.500 WT	6	4.33	26.00	1129.1
8.625 O.D. X 0.500 WT	4	3.50	14.00	608.0
6.625 O.D. X 0.432 WT	4	13.36	53.44	1528.4
6.625 O.D. X 0.432 WT	2	12.83	25.67	734.1
6.625 O.D. X 0.432 WT	4	10.44	41.76	1194.3
6.625 O.D. X 0.432 WT	1	9.75	9.75	278.9
6.625 O.D. X 0.432 WT	3	8.58	25.75	736.5
6.625 O.D. X 0.432 WT	4	5.67	22.67	648.3
6.625 O.D. X 0.432 WT	6	5.17	31.00	886.7
6.625 O.D. X 0.432 WT	14	3.83	53.66	1534.7
6.625 O.D. X 0.432 WT	1	3.50	3.50	100.1
6.625 O.D. X 0.432 WT	2	2.67	5.33	152.6
4.500 O.D. X 0.337 WT	5	10.25	51.25	768.6
4.500 O.D. X 0.337 WT	3	4.08	12.25	183.7
4.500 O.D. X 0.337 WT	2	4.00	8.00	120.0
2.375 O.D. X 0.218 WT	10	0.33	3.33	16.7
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	75.00	75.00	204.0

TOTAL WEIGHT OF PIPE MEMBERS = 20671.9

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.79 X 4.50 X 0.750	2	43.11	1320.2
3.17 X 2.50 X 0.750	2	15.83	484.9
1.50 X 2.00 X 0.750	2	6.00	183.7
1.17 X 1.17 X 0.500	2	2.72	55.6
0.58 X 0.75 X 0.500	16	7.00	142.8

TOTAL WEIGHT OF PLATES = 2187.4

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.00 X 10.25	2	7.36	82.00	603.5
3.00 X 4.00	2	7.36	24.00	176.6
0.71 X 2.79	1	7.36	1.98	14.5
0.58 X 2.50	3	7.36	4.37	32.2
0.51 X 2.50	3	7.36	3.82	28.2

TOTAL WEIGHT OF GRATING = 855.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
2.000 X 2.000 X 0.250	1	3.00	3.00	9.6
1.000 X 1.000 X 0.125	1	3.00	3.00	2.4

TOTAL WEIGHT OF ANGLES = 12.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 20.70	2	1.25	2.50	51.7
C 6 X 8.20	2	4.25	8.50	69.7
C 6 X 8.20	2	3.75	7.50	61.5

TOTAL WEIGHT OF CHANNELS = 182.9

TOTAL WEIGHT = 23909.2

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12.750 O.D. X 0.843 WT	47.83	5132.74
10.750 O.D. X 0.500 WT	2.67	146.06
8.625 O.D. X 0.500 WT	137.91	5989.45
6.625 O.D. X 0.432 WT	272.53	7794.44
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.218 WT	3.33	16.74
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	75.00	204.03
CHANNELS		
C 12 X 20.70	2.50	51.75
C 6 X 8.20	16.00	131.20
ANGLE		
2.000 X 2.000 X 0.250	3.00	9.57
1.000 X 1.000 X 0.125	3.00	2.39

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

0.750 THICKNESS	64.94	1988.94
0.500 THICKNESS	9.72	198.45

GRATING

7.360 LBS PER SQ FT	116.17	855.04

TOTAL WEIGHT 23909.20 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

1	18,000	0,750	0,0	2	1,917	BARGE FENDER
1	18,000	0,750	0,0	2	21,458	BARGE FENDER
1	16,000	0,750	0,0	2	4,000	BARGE FENDER
1	16,000	0,750	0,0	2	2,187	BARGE FENDER
3	4,500	6,000	1,000	2	0,0	BARGE FENDER
3	2,250	3,000	0,750	4	0,0	BARGE FENDER
3	3,333	3,750	0,750	2	0,0	BARGE FENDER
3	1,333	1,333	0,750	2	0,0	BARGE FENDER
3	1,333	4,417	0,750	4	0,0	BARGE FENDER
3	2,250	1,875	0,750	2	0,0	BARGE FENDER
3	2,833	2,833	0,500	2	0,0	BARGE FENDER
3	1,380	1,380	0,750	4	0,0	BARGE FENDER

MATERIAL LISTING PROGRAM

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*             CREST OFFSHORE, INC.              *
*                                               *
*               TULSA, OKLAHOMA                 *
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*            CREATED IN APRIL 1974              *
*             MODIFIED FEB 1975                 *
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U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
18.000 O.D. X 0.750 WT	2	21.46	42.92	5935.4
18.000 O.D. X 0.750 WT	2	1.92	3.83	530.3
16.000 O.D. X 0.750 WT	2	4.00	8.00	978.1
16.000 O.D. X 0.750 WT	2	2.19	4.37	534.8

TOTAL WEIGHT OF PIPE MEMBERS = 7978.6

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4,50 X 6,00 X 1,000	2	54,00	2205,0
3,33 X 3,75 X 0,750	2	25,00	765,5
2,25 X 3,00 X 0,750	4	27,00	826,9
1,33 X 4,42 X 0,750	4	23,55	721,3
2,25 X 1,88 X 0,750	2	8,44	258,4
1,38 X 1,38 X 0,750	4	7,62	233,3
1,33 X 1,33 X 0,750	2	3,55	108,8
2,83 X 2,83 X 0,500	2	16,05	327,7

TOTAL WEIGHT OF PLATES = 5446,9

TOTAL WEIGHT = 13425,5

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18.000 O.D. X 0.750 WT	46.75	6465.68
16.000 O.D. X 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72

TOTAL WEIGHT 13425.55 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

1	42.000	2.000	0.0	3	10.000	PILE SECTION
1	42.000	2.000	0.0	3	35.000	PILE SECTION
1	42.000	2.000	0.0	3	47.000	PILE SECTION
1	42.000	2.375	0.0	3	10.000	PILE SECTION
1	42.000	2.375	0.0	3	57.000	PILE SECTION
1	42.000	2.375	0.0	3	12.000	PILE SECTION
1	42.000	2.000	0.0	3	45.000	PILE SECTION
1	42.000	2.000	0.0	3	173.000	PILE SECTION
1	42.000	2.500	0.0	3	2.000	PILE SECTION
1	39.750	0.625	0.0	6	8.000	PILE SPLICE POINT
1	37.000	0.625	0.0	6	8.000	PILE SPLICE POINT

MATERIAL LISTING PROGRAM

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*          CREST OFFSHORE, INC.             *    CCCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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*           TULSA, OKLAHOMA                 *    CCCCCCCCCC                EEEEEEEEE
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U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 2.500 WT	3	2.00	6.00	6333.9
42.000 O.D. X 2.375 WT	3	57.00	171.00	172032.9
42.000 O.D. X 2.375 WT	3	12.00	36.00	36217.5
42.000 O.D. X 2.375 WT	3	10.00	30.00	30181.2
42.000 O.D. X 2.000 WT	3	173.00	519.00	443854.1
42.000 O.D. X 2.000 WT	3	47.00	141.00	120584.6
42.000 O.D. X 2.000 WT	3	45.00	135.00	115453.4
42.000 O.D. X 2.000 WT	3	35.00	105.00	89797.1
42.000 O.D. X 2.000 WT	3	10.00	30.00	25656.3
39.750 O.D. X 0.625 WT	6	8.00	48.00	12547.5
37.000 O.D. X 0.625 WT	6	8.00	48.00	11665.6

TOTAL WEIGHT OF PIPE MEMBERS = 1064323.0

TOTAL WEIGHT = 1064323.0

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM JACKET PILING SITE 2 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 2.500 WT	6.00	6333.89
42.000 O.D. X 2.375 WT	237.00	238431.56
42.000 O.D. X 2.000 WT	930.00	795345.38
39.750 O.D. X 0.625 WT	48.00	12547.54
37.000 O.D. X 0.625 WT	48.00	11665.60

TOTAL WEIGHT 1064323.00 LBS

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